The Thesis Committee for Megan Elysia Flansburg
Certifies that this is the approved version of the following Thesis:

Pre-Cenozoic Tectono-Metamorphic Evolution of the Cycladic Basement, Ios Island, Greece

APPROVED BY
SUPERVISING COMMITTEE:

Daniel F. Stockli, Supervisor

Whitney Behr

Konstantinos Soukis

Pre-Cenozoic Tectono-Metamorphic Evolution of the Cycladic Basement, Ios Island, Greece

by

Megan Elysia Flansburg

Thesis

Presented to the Faculty of the Graduate School of

The University of Texas at Austin

in Partial Fulfillment

of the Requirements

for the Degree of

Master of Science in Geological Sciences

The University of Texas at Austin

August 2018

DEDICATION

This thesis is dedicated to my mother Leah for inspiring me to study and love the Earth and to her mother, Phyllis Chase Annala (d. 1989), a pharmacist turned stay-at-home mother of four who taught Leah the basics of Plate Tectonics using only a modern map of the world and the knowledge she picked up from a home-science magazine in the early 1970s.

ACKNOWLEDGEMENTS

First and foremost, thank you to my advisor, Daniel Stockli, and my M.S. thesis committee member, Konstantinos Soukis, for dreaming up this project and for being great resources of information. My gratitude also to my committee member, Whitney Behr, for her feedback on presentations I gave at the Jackson School of Geosciences (JSG) and for the weekly lessons in microstructures even though the class was formally canceled. I wish to thank my colleague, Eirini Poulaki, who was right alongside me for field work, mineral separation, and writing; without her efforts and friendship, this project would not have become what it is. My gratitude also to Sofia Laskari who was a cheerful and knowledgeable field assistant during my first field season in 2016.

Lisa Stockli and Federico Galster were vital resources throughout the LA-ICP-MS data collection process. Rudra Chatterjee and Patrick Boyd helped me train my eyes to identify apatite crystals for U-Pb analyses. My colleagues in the Stockli cohort, both past and present, provided invaluable laboratory training and assistance, as well as feedback. Additional feedback throughout the project was provided by Mark Cloos, Alissa Kotowski, Carolyn Tewksbury, Jake Makis, Spencer Seman, Tim Shin, and Miguel Cisneros.

This thesis was made possible through funding at JSG. Notably, my first year was funded through the JSG Early Recruitment Fellowship which was supported by the Hess Corporation and the Teagle Fellowship Fund. My second year was funded by a graduate research assistant position through my advisor, Daniel Stockli and the value of the in-house UTChron laboratories (PI: Stockli) cannot be understated. Additionally, a 2017 Off-Campus Research Award from JSG and a 2017 Graduate Student Research Award from the Geological Society of America funded my second field season in 2017.

Finally, thank you to Dr. Christopher Bailey, Dr. Calvin Miller, Joey Ball, my family, and my friends who encouraged and supported me as I pursued a graduate degree in geology.

ABSTRACT

Pre-Cenozoic Tectono-Metamorphic Evolution of the Cycladic Basement, Ios Island, Greece

Megan Elysia Flansburg, M.S.Geo.Sci.

The University of Texas at Austin, 2018

Supervisor: Daniel F. Stockli

The Cycladic Basement is a HP-LT unit exposed in the highly distended back-arc region of the retreating Hellenic subduction zone of the southern Aegean. The HP-LT Cycladic Blueschist Unit (CBU) and the Cycladic Basement are parts of the Paleogene Cycladic subduction complex and are exposed in Miocene metamorphic core complexes in the southern Cyclades, such as Ios, Naxos, and Paros islands. While the Paleogene tectono-metamorphic evolution of the Cycladic Basement and the CBU have been the foci of numerous studies, robust constraints of the Cycladic Basement's pre-subduction magmatic, tectonic, and paleogeographic evolution have been largely lacking. This study presents new bedrock and detrital zircon U-Pb age data to elucidate the pre-subduction tectonic, magmatic, and paleogeographic evolution of the Cycladic Basement. Zircon U-Pb dating of granitoids from the crystalline core of Ios yielded an age of ~306-330 Ma, demonstrating voluminous and protracted Carboniferous magmatism related to Paleo-Tethys subduction and emplaced into Peri-Gondwanan crust. The plutons were emplaced into paragneisses and garnet mica schists of the Carapace metasedimentary host-rock sequence, characterized by distinct Gondwanan detrital zircon U-Pb (DZ) provenance, Neoproterozoic to lower Paleozoic maximum depositional ages, and syn-magmatic zircon rims (~330-300 Ma). DZ

U-Pb dating also revealed a distinct sequence of post-plutonic Permian metasedimentary rocks (~270-295 Ma), previously lumped with the pre-plutonic Carapace or CBU, that disconformably overlies the Basement complex. These DZ ages, coupled with early Permian apatite U-Pb cooling ages, indicate rapid cooling and exhumation of the Cycladic Basement prior to the deposition of these Permian siliciclastic sediments within extensional basins. These Transitional Rocks mark the onset of deposition of the Permo-Triassic to Late Cretaceous CBU within the Pindos rift domain. In summary, these new U-Pb results illuminate the pre-Mesozoic evolution of the Cycladic Basement as a peri-Gondwanan terrane composed of Neoproterozoic and lower Paleozoic metasedimentary rocks, intruded by voluminous Carboniferous arc magmatism, and rapidly exhumed in the Permian, prior to Permo-Triassic rifting and CBU deposition. These data provide a critical puzzle piece in the pre-Mesozoic reconstruction of the Cyclades and for the understanding of Mesozoic rifting and Paleogene subduction processes.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

PREAMBLE

Motivation and Disclosure of Contributions

This thesis was motivated by Dr. Daniel Stockli (UT-Austin) and Dr. Konstantinos Soukis (U. of Athens, Greece) to understand the tectono-metamorphic and tectono-magmatic evolution recorded in the rocks of the southern Cyclades. While my focus for this manuscript was on the Cycladic Basement (CB) exposed on Ios, my colleague Eirini Poulaki studied the large metasedimentary package of Cycladic Blueschist Unit (CBU) exposed in northern Ios. Without her detrital zircon U-Pb ages and interpretations of Sikinos and north Ios CBU, my understanding of the metasedimentary portions of the CB would be lacking. Comparison to her zircon U-Pb ages of the CB on Sikinos also bolstered my confidence in my interpretations. All data presented are my own.

Format of the Thesis and Planned Journal Submission

This thesis is formatted as a manuscript to be submitted to *AGU: Tectonics*. As such, all citations and references are in the modified APA style required by all American Geophysical Union publications. Furthermore, all figures are placed with their captions at the end of the text (after **Conclusions**), since AGU submission guidelines require all figures to be submitted separately from the text.

INTRODUCTION

The Attic-Cycladic complex in the Aegean Sea if one of the most famous high pressure-low temperature (HP-LT) terrane and has motivated numerous structural and metamorphic studies that have fundamentally influenced concepts and the understanding of subduction zone metamorphism, geodynamic models for the exhumation of HP-LT rocks, and back-arc extensional tectonics and the formation of Cordilleran-style metamorphic core complexes (MCCs) in slab rollback regimes. The Cycladic Blueschist Unit (CBU) lies at the heart of the Attic-Cycladic subduction complex. Together with well-exposed and preserved HP-LT subduction metamorphic complexes, such as in the western Alps and coastal California, the extensively studied CBU has provided key insights into the metamorphic petrology, petrochronology, structural geology, and the geodynamics of subduction zones. Much progress has been made in terms of understanding the prograde and retrograde HP-LT metamorphic evolution of the CBU, especially in Syros and Sifnos where HP-LT rocks were not extensively overprinted by younger greenschist facies metamorphism. However, relatively little is known about the chronostratigraphy, the depositional history, or the paleogeographic and tectonic evolution of the CBU protoliths, consequently hampering insights into subduction processes, the juxtaposition of different HP-LT units, and the exhumation history. In particular, little is known about the structurally lowest unit, Cycladic Basement (CB), which represents a fragment of continental crust underlying the CBU in the southern Cyclades. There remain significant gaps in our understanding of the tectono-magmatic history of the CB protoliths as well as the tectonic affinity and tectonic evolution recorded in both the plutonic and metasedimentary host-rocks of the CB. Without these fundamental insights, it is impossible to elucidate the pre-Cenozoic relationship between the CB and the CBU, their subduction

juxtaposition, and their Cenozoic exhumation and deformation.

The lack of understanding of the pre-Cenozoic relationships between the CB and the CBU inhibits the ability to reconstruct both Paleogene subduction processes as well as Neogene back-arc extension and exhumation. Outstanding process-related questions include whether the CBU and the CB were juxtaposed during subduction or during the formation of MCCs? 2) Was the strain and deformation fabrics preserved within the CB related to pre- or syn- subduction processes or to extensional tectonics?

To address these fundamental questions, robust geochronologic constraints are needed for the various lithological units of the CB exposed in the southern Cyclades, such as on the island of Ios. Bedrock and detrital zircon U-Pb geochronology was employed to determine emplacement ages of granitoid rocks comprising the CB, the timing of Paleocene-Eocene metamorphism, the detrital provenance and maximum depositional ages of metasedimentary rocks of the CB, as well as the paleogeographic and tectonic affinities of the CB rocks. Apatite U-Pb geochronometry constrained the post-magmatic cooling and tectonic history of the CB's plutonic core. Integrated with structural observation, these new chronometric constraints allow for the reconstruction of the pre-Cenozoic magmatic, tectonic, and depositional evolution of the CB in the southern Cyclades and aid in a more complete understanding of the tectonic, metamorphic, and thermal evolution of the CB during Paleogene subduction and Neogene back-arc extension and exhumation. Besides a more holistic understanding of the tectonic evolution of these rocks in the southern Cyclades, these new insights also help further our understanding of tectonic processes operating during accretion and underplating of crustal fragments during subduction.

GEOLOGIC BACKGROUND

The geology of the Greek mainland is composed of a series of nappes that were accreted and stacked during Cenozoic convergent tectonics, modified by subduction back-arc extension, and strike-slip faulting. These nappes represent continental blocks and ribbons of Gondwanan-affinity that were separated by oceanic or highly-distended continental basins and subsequently accreted onto the Paleozoic Eurasian margin progressing from NE to SW (e.g., Papanikolaou, 2009; Papanikolaou and Ebner, 1997; Papanikolaou and Sassi, 1989). The suture associated with the closure of the early Mesozoic Vardar-Axios-Neotethyan ocean separates the Rhodope massif from a complicated assemblage of accreted terranes making a stack of thrust sheets known as the Hellenides. These terranes were progressively amalgamated during the Cenozoic subduction of the African-Neotethys oceanic slab below the Eurasian plate margin (Jolivet et al., 2013; Jolivet & Brun, 2010; Menant et al., 2018; Ring et al., 2010 and references therein). These terranes are separated by thrust faults and contain flysch deposits indicating final subduction (e.g. Pindos flysch in Pelopnnesus, Piper, 2006). From structural top to bottom, these main thrust sheets are: the Pelagonian, the Pindos, the Gavrovo-Tripolitza, the Phyllite-Quartzite, and the Ionian terrane, as well as the pre-Apulian platform (Paxos Zone) (Jolivet & Brun, 2010; Papanikolaou, 2009). One of these terranes is the Pindos Unit which is composed of Late Triassic to Paleocene pelagic carbonate and siliceous oceanic deposits and associated Eocene to Oligocene flysch.

While this accretionary stacking pattern is relatively well preserved in mainland Greece and the Peloponnese, in the Cyclades, subduction and subsequent large-magnitude back-arc extension has largely obscured the original accretionary anatomy. The Cycladic tectono-metamorphic units are hypothesized to be the subducted and exhumed equivalents of these

terranes. In particular, the Cycladic Blueschist Unit, making up the bulk of the exhumed Cycladic HP-LT subduction complex, is thought to be the highly deformed and metamorphosed equivalent of the Pindos Unit (Papanikolaou, 1987, 2009).

The Cyclades represent a unique tectonic domain where rocks that were accreted and subducted are now exposed in the back-arc of the retreating Hellenic subduction zone through a combination of syn-subduction exhumation and the formation of Cenozoic Cordilleran-style metamorphic core complexes during back-arc extension. Slab roll-back is thought to have initiated due to an end of convergence between Africa and Eurasia in the Paleocene (Jolivet & Brun, 2010; Menant et al., 2016, 2018). Roll-back of the trench and the volcanic arc initiated at ~60 Ma after the formation of the Vardar-Axios suture zone at ~80 Ma and is thought to have caused the syn-orogenic exhumation of crustal blocks within the Rhodope terrane (e.g., Jolivet et al., 2010; Jolivet & Brun, 2010). The Pindos Unit entered the subduction zone at ~50 Ma and by ~35 Ma had almost completely subducted while the coeval magmatic arc was in the Rhodope region. Rapid slab roll-back and associated trench and arc retreat in the Oligo-Miocene led to major extension in the Attic-Cycladic domain. Currently, the Eurasian and African plates are slowly converging at 0.9-1.0 cm/yr (Reilinger et al., 2010) with the Hellenic trench encroaching on the African continent, ~150 km south of Crete. The active volcanic arc is located between the southern Cyclades and Crete (e.g. Santorin, Milos, and Nisyros).

The Attic-Cycladic Complex

The Attic-Cycladic Complex consists of two distinct tectono-metamorphic units exposed in the Cycladic archipelago that are characterized by fundamentally different tectonic, metamorphic, and thermal histories: (1) The Cycladic subduction complex that is composed of the Cycladic Basement (CB) and the Cycladic Blueschist Unit (CBU), and underwent HP-LT

metamorphism in the Paleogene, and (2) the low-grade metamorphic sub-Pelagonian Upper Cycladic Unit which structurally overlies the CBU and formed the upper-plate of the subduction zone (Brichau et al., 2006, 2007; Dürr et al., 1978). The Upper Cycladic Unit represents the metamorphic distal portion of the Pelagonnian Unit (e.g., Papanikolaou, 2009) and consists of Mesozoic to early Cenozoic ophiolite and metabasite rocks (e.g., Naxos, Paros, Tinos, Andros, and Anafi) that exhibit evidence for Cretaceous (70-100 Ma) greenschist-amphibolite metamorphism (Bolhar et al., 2017; Martha et al., 2016; Reinecke et al., 1982). The Upper Cycladic Unit, cropping out only in the northern Cyclades, is separated from the underlying CBU by large-scale detachment systems (i.e., the North Cycladic Detachment System, the Naxos-Paros Detachment System, and the West Cycladic Detachment System) (Grasemann et al., 2012; Jolivet et al., 2010; Ketcham & Brichau, 2008; Soukis & Stockli, 2013).

In the southern Cyclades, the base of the CBU is exposed on the islands of Ios, Sikinos, Paros, and Naxos where it overlies the Cycladic Basement. The CB throughout the southern islands consists of late Paleozoic granitoids and older metasedimentary host-rocks ("Carapace") (van der Maar, 1981; van der Maar & Jansen, 1983; Vandenberg & Lister, 1996). I-type granitoids (van der Maar, 1981) underwent penetrative deformation and transformed granitic gneisses and deformed into augengneisses.

Structurally overlying the CB in the southern Cyclades is the metasedimentary CBU consisting of alternating marbles, calc-schists, quartzo-feldspathic schists, and mica schists. The CBU is thought to have been deposited in the Pindos Ocean basin (e.g., Aubuin, 1959; Bonneau, 1984; Papanikolaou, 1987), starting in the Late Mesozoic until subduction in the Paleocene-Eocene ~60-40 Ma (Ring et al., 2010; Seman et al., 2017). However, the exact tectonic setting for CBU protolith deposition remains contentious and centers around the nature of the Pindos

Basin itself (e.g., Bortolotti et al., 2009; Menant et al., 2016; Papanikolaou, 2009, 2013; Tremblay et al., 2015; Van Hinsbergen and Schmid, 2012; Van Hinsbergen et al., 2005a, 2005b). Recent detrital zircon work in the western Cyclades demonstrated that CBU deposition spanned from Triassic to Paleogene and was initially accumulated along a rifted continental margin (Seman et al., 2017). Furthermore, the CBU has been the subject in a plethora of recent studies on subduction zone dynamics, HP-LT exhumation, and back-arc extensional processes (e.g., Behr et al., 2018; Cooperdock et al., 2018; Laurent et al., 2017; Soukis & Stockli, 2013).

The CBU and the CB shared a common Cenozoic tectono-metamorphic evolution that has been sub-divided into three Cenozoic tectono-metamorphic stages (e.g., Andriessen et al., 1987; van der Maar & Jansen, 1983; Vandenberg & Lister, 1996): M1, Paleocene-Eocene blueschist to eclogite facies metamorphism associated with subduction and the closure of the Pindos Ocean; M2, retrograde Oligocene-Miocene greenschist-amphibolite facies metamorphism during exhumation; and M3, local contact metamorphism associated with Miocene intrusions (e.g., Serifos and Naxos). In most cases, the Miocene granitic intrusions are syn-tectonic and illustrate the syn-extensional southward sweep of the Hellenic arc (Rabillard et al., 2015, 2018).

Both the CB and the CBU underwent a two-stage exhumation history, characterized by Eocene, syn-subduction and back-arc extension. Areas not affected by either Cenozoic shearing or magmatism expose HP-LT rocks with little to no retrogression, preserving their blueschist facies assemblages and fabrics (e.g., Sifnos and Syros, to the northwest of Ios). Cenozoic back-arc exhumation occurred via Cordilleran-style metamorphic core complexes (MCCs) with associated retrogression through greenschist facies. These MCCs succeeded in unroofing middle-crustal blocks by generally NE-dipping detachment faults (Brun et al., 2016; Grasemann

et al., 2012; Jolivet et al., 2010; Soukis & Stockli, 2013).

While the Cycladic Basement shares this Cenozoic tectono-metamorphic evolution with the overlying CBU, the pre-Cenozoic history and relationship between the two units is unknown. Importantly, the age, tectonic affinity, and origins of the various Cycladic Basement lithologies remain poorly understood, creating a significant gap in the understanding of Mediterranean/Tethys paleogeography and the tectonic setting in which the CBU was initially deposited.

Geology of Ios Island

On Ios, both the Cycladic Basement and the CBU of the Cycladic tectono-metamorphic complex are exposed. The CB consists of an extensive granitoid and augen-gneissic core and a metasedimentary host-rock complex. The CB appears to become more mylonitic outwards from the plutonic core and toward the contact with the overlying CBU in the north. This high-temperature mylonitic zone was termed the South Cycladic Shear Zone (SCSZ, Vandenberg & Lister, 1996). The CB has been described and classified either on the basis of the amount of strain (Huet et al., 2009; Mizera & Behrmann, 2016) or lithologic variations (Andriessen et al., 1987; Baldwin & Lister, 1998; van der Maar & Jansen, 1983; Vandenberg & Lister, 1996). Along its margins, the crystalline CB is mantled by metasedimentary paragneisses and garnet-mica schists sometimes locally referred to as the "Carapace" (e.g., Forster & Lister, 1999; Forster & Lister, 2008; Thomson et al., 2009). While penetratively sheared together with the plutonic CB rocks, these CB metasedimentary rocks are thought to pre-date the intrusions and form the pre-plutonic host-rocks (Henjes-Kunst & Kreuzer, 1982; van der Maar, 1981). The CB crystalline and metasedimentary rocks are overlain by the CBU that consists of marbles, calc-schists, quartzo-feldspathic schists, metabasites, and quartz-mica schists and dominates the

northern third of Ios island. The island was interpreted as a metamorphic dome (e.g., van der Maar, 1981; van der Maar & Jansen, 1983 and references therein) and subsequently, together with neighboring Naxos and Paros as a Cordilleran-style metamorphic core complex (MCC) (Lister et al., 1984). Gneissic and mylonitic foliations concentrically dip away from the crystalline core, while the lineation maintains a dominant N-S orientation, approximately parallel to the long-axis of the island (Figure 1 and 2).

The CBU/CB contact, atop the SCSZ, has been interpreted as an up-domed or arched top-to-the-south extensional low-angle detachment fault, the Ios Detachment Fault (IDF), associated with the final progressive exhumation of the Ios MCC (Forster & Lister, 1999; Forster & Lister, 2008; Lister et al., 1984; Mizera & Behrmann, 2016; Vandenberg & Lister, 1996). In contrast, other studies interpreted this strain gradient as a shear zone linked to original thrust juxtaposition of the two HP-LT units (Augier et al., 2015; Huet et al., 2009; van der Maar & Jansen, 1983). This thrust versus detachment debate has been on-going since van der Maar and Jansen (1983) first proposed that the CB/CBU contact as a thrust and Lister et al. (1984) interpreted it as a low-angle normal fault associated with progressive exhumation along the south-dipping SCSZ. In addition, strain studies have also argued the symmetric versus asymmetric nature of the SCSZ and the timing of penetrative strain in the orthogneisses of the plutonic core, which documents a dominant pure shear strain geometry and both top-to-the-north and top-to-the-south kinematic indicators (Huet et al., 2009; Mizera & Behrmann, 2016). Thermochronometric studies suggested a Miocene core complex formation and bivergent extensional unroofing of Ios, but also showed no discrete age jump across either the SCSZ or the basal CBU contact (Thomson et al., 2009). Exhumation and extensional attenuation of the overlying CBU has been attributed to an intra-CBU top-to-the-south fault, the André Fault, and

the top-to-the-north brittle Coastal Fault System (CFS) along the northern coast of Ios. The André Fault, however, has also been interpreted as a top-to-the-south thrust fault that is cut by the CFS (e.g., Huet et al., 2009).

The geology and petrology of Ios island were first described by van der Maar (1981) and van der Maar and Jansen (1983) who documented the existence of two different "Alpine" (~60-20 Ma) metamorphic events, an Eocene HP-LT eclogite-blueschist facies (M1) and a younger Oligo-Miocene greenschist facies (M2) event. Ios, Perraki & Mposkos (2001) suggested peak HP-LT conditions for the CB at 25 kbar and 540°C based on phengite-garnet-omphacite paragenesis. However, Huet et al. (2009) discredited these earlier peak pressure on the basis of pre-Alpine clinopyroxenes and argued for peak conditions for the Cycladic Basement on Sikinos, just to the west of Ios, at a ~11 kbar and 475°C (Gupta & Bickle, 2004). Geo- and thermochronometric data for the CBU/CB units on Ios suggest they both experienced subduction-related M1 eclogite-blueschist metamorphism between ~40- 55 Ma (Andriessen et al., 1979, 1987; Baldwin & Lister, 1998; Henjes-Kunst & Kreuzer, 1982; van der Maar & Jansen, 1983).

A plethora of mineral Rb/Sr, K/Ar, and $^{40}Ar/^{39}Ar$ age dating studies primarily focused on the timing of Oligo-Miocene M2 metamorphism and subsequent ductile and brittle cooling and unroofing of Ios (Andriessen et al., 1979, 1987; Baldwin & Lister, 1998; Henjes-Kunst & Kreuzer, 1982; Thomson et al., 2009). These radiometric ages often yielded complex and difficult-to-interpret results indicative of partially reset and/or mixed ages related to post-Carboniferous, Cretaceous-Paleogene M1 HP-LT, and M2 greenschist facies tectono-metamorphic events, despite minimum temperatures of ~350°C during Eocene M1 HP–LT metamorphism and ~380°C during Oligo-Miocene M2 greenschist-facies metamorphism

(Thomson et al., 2009).

Little to no attention, however, has been paid to the pre-subduction tectono-thermal evolution and the implication for the subduction and unroofing history of Ios (e.g., Keay & Lister, 2002). This study presents extensive zircon U-Pb data from magmatic bedrock and metasedimentary rocks from the CB to determine the history of the plutonic core and the provenance of metasedimentary units to shed light on the CB's pre-Cenozoic tectono-magmatic history, the tectonic affinity of the CB, and the stratigraphy of the CB. These important chronologic constraints for the pre-Cenozoic evolution allow for a more comprehensive understanding of Cenozoic tectonic and strain evolution of the rocks on Ios island.

METHODOLOGY

With the goal of determining the nature, age, and tectonic affinity of the plutonic and metasedimentary rocks of the CB, exposed on Ios, we collected 33 bedrock and 31 metasedimentary samples (2-3 kg). Samples were collected from a swath approximately parallel to the dominant and ubiquitous N-S stretching lineation and the trend of dominant, map-scale structures and from all major CB lithologies, including paragneisses, garnet mica schists, and variably deformed granitoids and orthogneisses (Figures 1 and 2). In addition, samples were collected from undifferentiated schists from the Magganari Beach are in S Ios, mapped as CBU (e.g., Huet et al., 2009). Sample locations and descriptions are detailed in Table A1 (**Appendix B**).

Standard mineral separation techniques, including crushing, water table heavy mineral concentration, heavy liquid density separation with bromoform and methylene iodide, and magnetic susceptibility separation with a Frantz magnetic separator, were used to isolate zircon and apatite from the samples. Of the 62 samples containing zircon and apatite, 32 variably deformed and metamorphosed granitoid-gneisses were zircon U-Pb dated to determine crystallization ages, crustal inheritance, and metamorphism and 30 metasedimentary rocks were dated to determine detrital provenance, maximum depositional ages, and metamorphic zircon overgrowths.

Unpolished zircon crystals were mounted on 1” diameter acrylic disks with double-sided, low-Pb sticky tape and analyzed for U-Pb by depth-profile laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS), following procedures described by Marsh and Stockli (2015) and Hart et al. (2016). For samples with magmatic protoliths, 50 individual zircon grains were analyzed. For samples with sedimentary or unclear protoliths, >120 randomly selected

grains were analyzed by depth-profile U-Pb dating to ensure a statistically robust assessment of both detrital provenance and maximum depositional age (Vermeesch, 2004). Zircon were ablated at 10 Hz using a 30 μm spot with a PhotonMachines Analyte G2 Excimer ArF 193 nm laser. The resulting ablated dry aerosol was then carried by ultrapure He gas and analyzed for Hg, Pb, Th, and U isotopes using a Thermo Element2 ICP-MS. Depth-profile analysis allowed for the recovery of multiple growth domains and for the identification of inherited zircon cores and thin magmatic or metamorphic overgrowths for refined provenance and maximum depositional age analysis (Stockli and Stockli, 2013; Marsh and Stockli, 2015). All LA-ICP-MS analyses and mineral separation processes were completed at the UTChron Laboratories of the Jackson School of Geosciences at the University of Texas at Austin.

For zircon U-Pb LA-ICP-MS analyses, GJ1 was used as the primary zircon standard (601.7 ± 1.3 Ma; Jackson et al., 2004). Plesovice (337.1 ± 0.4 Ma; Sláma et al., 2008), 91500 (1065 Ma; Wiedenbeck et al., 1995), and Pak-1 (43.03 ± 0.01 Ma; in-house standard dated by TIMS) were used as secondary procedural standards. Data reduction was carried out using the IgorPro (Paton et al., 2011) based Iolite 3.4 software with the VizualAge data reduction scheme (Petrus & Kamber, 2012). Reported zircon U-Pb ages <1200 Ma are $^{206}Pb/^{238}U$ ages and zircon >1200 Ma are $^{207}Pb/^{206}Pb$ ages. No common Pb correction was applied due to the isobaric interference with ^{204}Hg. All U-Pb ages report 2σ absolute uncertainty (propagated), except for detrital sample maximum depositional age (MDA) which report 1σ uncertainty. Magmatic zircon $^{206}Pb/^{238}U$ ages were filtered for <5% discordance, while detrital zircon ages were filtered for <10% discordance ($^{206}Pb/^{238}U$—$^{207}Pb/^{235}U$). For both magmatic and detrital zircon samples, $^{207}Pb/^{206}Pb$ ages are filtered for <25% discordance ($^{206}Pb/^{238}U$—$^{207}Pb/^{206}Pb$). A complete description of MDA and crystallization age calculation methods is provided in **Appendix A**. All

zircon U-Pb ages are reported in Table A2 for crystalline samples and Table A3 for detrital samples (**Appendix C**).

For apatite U-Pb LA-ICP-MS thermochronometry, up to 50 apatite were analyzed from four plutonic samples. Unpolished apatite grains were mounted and depth-profiled following the procedures detailed by Seymour et al. (2016). For apatite U-Pb LA-ICP-MS analyses, MAD1 (~485 Ma: Thomson et al., 2012) was used as the primary apatite standard, and UWA-1 (~980 Ma: Zhou et al., 2007) and McClure (523.98 ± 0.12 Ma: Schoene & Bowring, 2006)) were used as secondary standards. Apatite U-Pb data were reduced within the Iolite 3.4 software using the VisualAge_UcomPbine DRS (Chew et al., 2014). Bulk apatite common lead (Pb_c) composition and lower intercept ages were determined using Tera-Wasserburg ($^{238}U/^{206}Pb$ vs. $^{206}Pb/^{207}Pb$) concordia diagrams. All apatite U-Pb ages are reported in Table A4 (**Appendix D**).

RESULTS

The Cycladic Basement of the CBU can be subdivided into four units based on lithology, magmatic cross-cutting relationships, and zircon U-Pb results. The *pre- to syn-intrusive metasedimentary rocks* are compositionally variable, although previously treated as a single unit, "Carapace" or "garnet mica schist", and mapped as a single unit (e.g., Andriessen et al., 1979, 1987; M. A. Forster & Lister, 1999; Huet et al., 2009; van der Maar & Jansen, 1983; Vandenberg & Lister, 1996). We similarly treat them as a related group (*pre- to syn-intrusive metasedimentary rocks* in Figures 1 and 2) but distinguish them based on their lithologic and detrital zircon U-Pb age heterogeneity. The pre-intrusive metasedimentary rocks mantle a suite of deformed *Carboniferous felsic intrusive rocks*. In north-central and southern Ios, the pre-intrusive metasedimentary lithologies are structurally juxtaposed against a geographically-limited series of *post-intrusive metasedimentary rocks*. Along Ios' eastern coast, a group of *biotite-bearing Triassic granites* crops out, although generally indistinguishable from Carboniferous intrusive rocks in the field. All units show pervasive N-S shear which obscures the original protolith in some cases.

It is important to note that discerning the original stratigraphy is hard or impossible based on field relationships alone due to meso- to map-scale fabrics from Cenozoic subduction and exhumation. However, detrital zircon (DZ) U-Pb geochronology is a useful tool to untangle structurally re-ordered stratigraphy with the use of maximum depositional age (MDA). Because MDAs are inherently an interpretation, their presentation is in the **Discussion**. The following sections will present the petrologic and U-Pb results of the four lithologic units outlined above.

Carboniferous Felsic Intrusive Basement Zircon and Apatite U-Pb Results

Irregularly deformed granites, granodiorites, augengneisses (porphyritic granites), and cross-cutting aplitic and pegmatitic intrusions form the core of the Ios metamorphic dome (Figure

1 and 3). In general, heavily mylonitized samples are in close contact with the overlying hosting metasedimentary lithologies and L-tectonites are common throughout the Basement crystalline complex. Detailed descriptions of each compositional group are given below, but all Carboniferous intrusive rocks contain secondary epidote (2-10%) and chlorite (5-10%). Igneous composition does not correlate with geography in a discernable map pattern (Figure 1).

Weighted mean zircon U-Pb ages from 28 crystalline rocks within the Cycladic Basement span the entire Carboniferous (Figure 4, individual sample stack plots in Figure 5a-d). All individual samples contained zircons which spanned nearly this entire length of time, as shown on Wetherill concordia plots (Figure 5). The oldest crystallization age, 330.7 ± 2.3 Ma, is from an equigranular granite in the south-central part of Ios (IOS1668). Most granites, granodiorites, and porphyritic granites (augengneisses) have weighted mean concordant ages between ~320 and ~315 Ma (15 of 28 samples). The youngest crystallization age, 306.0 ± 2.0 Ma, is from an equigranular granite in southeastern Ios (IOS1644). All ages for each sample are reported in Table A2 (**Appendix C**).

EQUIGRANULAR GRANITES

Most plutonic rocks on Ios (12 of 28 Carboniferous samples) are white to gray equigranular granites with dominant crystal sizes either 1-3 mm or 5-10 mm. These granites are composed of potassium feldspar (2-10 mm), smoky quartz, plagioclase (± black albite), and muscovite. Equigranular granites are generally moderately lineated and still preserve much of their igneous texture but do express the island's dominant N-S stretching lineation in elongated quartz rods.

These Carboniferous equigranular granites range in age from ~331 to 306 Ma (Figure 4, 5a, and 5b). Samples from southwestern Ios had the oldest ages: 330.7 ± 2.3 Ma (IOS1668) and 330.0 ± 3.0 Ma (IOS1667). Southeastern Ios sample 15IOS12 has a crystallization age 326.0 ± 1.2

Ma and samples IOS1637, IOS1608, IOS1651, and IOS1648 have crystallization ages between ~320 and 312 Ma. Central Ios yielded IOS1654 with age 329.3 ± 1.8 Ma. The youngest weighted mean age is from southeastern Ios: 306.0 ± 2.0 Ma (IOS1644). The map pattern (Figure 1) indicates that equigranular granites are also the most geographically widespread of felsic igneous compositions on Ios.

PORPHYRITIC GRANITES (AUGENGNEISSES)

Porphyritic granites (now augengneisses, nine of 28 samples) have a similar composition as the equigranular granites but with grain sizes ~5 mm – 3 cm and are heavily mylonitized with recrystallized quartz and K-feldspar porphyroclasts. Porphyritic granites crop out along the central, eastern, and western flank exposures of the metamorphic dome (Figure 1), are white to light green-gray, and are composed of tan K-feldspar (1-2 cm), milky quartz, plagioclase, chlorite, and minor white micas. Augengneisses yielded crystallization ages between ~321 Ma and ~313 Ma (Figure 4, 5b, and 5c). In central Ios, the ages ranged from ~319 Ma and ~312 Ma (samples IOS1635, IOS1636, IOS1650 in Table A2 of **Appendix C**). South-central sample IOS1649 yielded age 320.9 ± 1.7 Ma.

A subgroup of porphyritic granites is green-white to tan-gray and similar mineral composition but contain >20% chlorite and white mica lenses. The crystallization age range is broader than the age-range as the less chlorite-rich rocks described above, spanning from ~323 Ma to ~308 Ma. Central Ios samples have crystallization ages 318.6 ± 1.6 Ma (IOS1652) and 307.9 ± 1.2 Ma (IOS1646). The samples from the western flank of the metamorphic dome are somewhat older with ages 322.5 ± 1.6 Ma (IOS1657) and 318.1 ± 1.6 Ma (IOS1656) Sample IOS1633 on the eastern coast yielded crystallization age 316.3 ± 1.4 Ma.

GRANODIORITES

Granodiorites (six of 28 samples) are characterized by 2-5 mm grain sizes and are light to dark gray with quartz (minor K-feldspar), plagioclase, hornblende, white micas, and minor chlorite. Mafic and felsic minerals are banded in a pervasive foliation. Samples from the central portion of the metamorphic dome have weighted mean ages 319.6 ± 1.9 Ma (IOS1645), 315.2 ± 1.4 Ma (IOS1662), and 312.1 ± 1.9 Ma (IOS1660). Samples from the "leucogneiss" lens of Vandenberg and Lister (1996) have crystallization ages 324.2 ± 1.5 Ma (IOS1655) and 319.0 ± 1.5 Ma (IOS1710). In southern Ios at Magganari Beach, sample IOS1643 yielded age 320.8 ± 1.5 Ma (Figure 5c and 5d).

CROSS-CUTTING DIKES

Aplitic dikes are dominantly potassium feldspar, quartz, and plagioclase feldspar, with lesser amounts of biotite and muscovite mica. Sample IOS1731 has a zircon U-Pb age of 316.8 ± 2.6 Ma (Figure 4 and 5d). Pegmatite dikes are potassium feldspar rich, along with quartz and impressive muscovite mica (>2 cm), but in general their compositions are like the porphyritic granites. Sample IOS1659 yielded a zircon U-Pb age of 309.9 ± 1.6 Ma (Figure 4 and 5d).

INHERITED ZIRCON CORES AND NON-MAGMATIC OVERGROWTHS

Carboniferous felsic intrusive rocks contained a significant amount of concordant inherited zircon cores (>5% of cores and single ages in 16 of 28 samples). These inherited zircons are Archean to early Paleozoic in age (Figure 6) and have Carboniferous growth rims, contemporaneous with the age of crystallization. These inherited cores were excluded from crystallization age calculations. Within samples IOS1637, IOS1655, and IOS1710, >35% of all zircon cores and single ages were inherited (Table A2 in **Appendix C**) and it is interesting to note that these three sample locations are close to the contact with the hosting metasedimentary

lithologies (Figure 1). Additionally, the aplitic dike (IOS1731) contained >40% inherited core and single ages. In the Carboniferous plutonic rocks, inheritance accounts for on average ~14% of all core and single ages that are <5% discordant in 206/238 vs. 207/235 space (N = 27/28, n = 259/1805), but varies between ~2-44%. The only Carboniferous intrusive rock which did not yield any concordant inherited zircon U-Pb ages was a porphyritic granite (IOS1650).

Though most are > 5% discordant, ages of non-magmatic zircon overgrowths are Eocene-Paleogene (n = 7, N = 4), Cretaceous (n = 4, N = 3), Jurassic (n = 8, N = 2), Triassic (n = 11, N = 8), and late Permian (n = 17, N = 11) (Table A2 in **Appendix C**). Sample IOS1645 contained a concordant Eocene rim at 49.4 ± 4.9 Ma and sample IOS1667 contained a concordant Paleogene rim at 64.1 ± 1.9 Ma.

APATITE U-PB RESULTS OF CARBONIFEROUS GRANITOIDS

Apatite U-Pb ages elucidate the high-temperature magmatic cooling history of the Carboniferous intrusive rocks on Ios Island. Apatite U-Pb analyses revealed ages (lower intercepts of York regressions in Tera-Wasserburg concordia space) ranging from 353 – 316 Ma with 2σ errors ranging 83-29 Ma. (Figure 7). Two samples have apatite U-Pb ages older than their zircon U-Pb ages. Because this is physically impossible, the lower bound of the age is taken as more reasonable. These are an equigranular granite (IOS1651) with age 340 ± 35 Ma (n = 21/57, Pb_c = .8899) and a granodiorite (IOS1643) with age 353 ± 83 Ma (n = 11/17, Pb_c = 0.8874). The more geologically reasonable lower bound ages of ~305 Ma and ~270 Ma, respectively, are taken as the best approximations of the apatite U-Pb age for these two samples. Sample IOS1654, a granite from central Ios, yielded an apatite U-Pb age of 316 ± 29 Ma (n = 40/40, Pb_c = 0.8754). Grains excluded from regressed fit lines formed flat, horizontal arrays, indicating their Pb-component was

almost entirely common Pb. Apatite grains from samples IOS1645, IOS1660, and IOS1642 were also analyzed but did not yield enough [U] to measure on LA-ICP-MS to calculate ages.

Biotite-bearing Triassic Granitoids Zircon U-Pb Results

Triassic granitic rocks are practically indistinguishable from hosting Carboniferous granitoids and older metasedimentary rocks in the field. These samples (IOS1631, IOS1632, and IOS1647) are from outcrops along the east coast of central Ios (Figure 1), are white to light tan, have a fine foliation and weaker lineation than surrounding Carboniferous granites, and are dominantly 1-3 mm crystals of K-feldspar, plagioclase, milky and clear quartz, hornblende, white micas, and biotite. Their zircon U-Pb crystallization ages are Triassic: 236.0 ± 0.7 Ma (IOS1631), 235.6 ± 1.9 Ma (IOS1632), and 239.4 ± 1.4 Ma (IOS1647) (Figure 8). All ages for each sample are reported in Table A2 (**Appendix C**).

Sample IOS1647 was also analyzed for an apatite U-Pb cooling age. This Triassic granite yielded a lower-intercept age of 112 ± 19 Ma (n = 47/47, Pb_c = 0.813) (Figure 7). Additionally, IOS1631 had two zircon U-Pb overgrowths of 153 Ma and 195 Ma, while IOS1632 and IOS1647 did not have any concordant overgrowths. Interestingly, the Triassic granites did not yield any inherited zircon core ages.

Pre-Intrusive Metasedimentary Detrital Zircon U-Pb Results

Garnet mica schist, metaconglomerate, quartz mica schist, and albite-bearing quartz mica schist form a variably deformed and lithologically heterogenous host-rock complex around the plutonic core of Ios (Figure 9). Garnet mica schists are tan to gray in color and are composed of quartz, white micas, secondary iron-oxides, and garnet porphyroblasts (0.5-2 mm) in quartz-rich layers. Schists with large (~1 cm) muscovite have only minor, poikiloblastic garnet. Smaller (< 1 cm) muscovite-decorated cleavage planes are strongly crenulated. Garnet mica schists are

intercalated with metaconglomerates that are characterized by stretched quartz pebbles that define the stretching lineation. Quartz mica schists are light pink to tan or brown to dark gray, are fine-grained with fine (1 mm) schistocity, and contain chlorite, secondary oxides, and minor garnet. Albite-bearing quartz mica schists are light tan to light gray, fine-grained with fine (1 mm) schistocity, and are comprised of quartz, white micas, black albite (< 1-3 mm), and chlorite. All pre-intrusive metasedimentary lithologies underwent greenschist facies retrogression and contain minor amounts of epidote and chlorite. In garnet-bearing rocks, the garnets decrease in size and even disappear toward the contact with the overlying CBU. The pre-intrusive contacts of the metasedimentary rocks and the crystalline core is generally strongly sheared, although the intrusive nature is still evident. Similarly, the contact with the overlying CBU is strongly sheared and rocks become increasingly mylonitized closer to the northern CBU contact. Furthermore, ubiquitous high-angle faults cut through the metasedimentary CB and CBU packages (Figure 22, **Discussion**). Interestingly, one felsic gneissic sample (IOS1617), intercalated within the metasedimentary sequence, yielded a unimodal U-Pb spectra with mean age at 446.4 ± 2.3 Ma (Figure 10), likely representing a late Ordovician tuff or dike.

Detrital zircon (DZ) U-Pb analysis of 22 samples from these metasedimentary lithologies revealed three distinct sub-units based on DZ age distributions. As the DZ spectra and MDAs do not correlate with any single lithology or geographic location, the following nomenclature has been adopted: *Group 1*, *Group 2*, and *Group 3*. The kernel density estimate (KDE) plots for individual samples are stacked on top of one another (Figures 11, 12, and 13). The KDE plots are combined to display the summation DZ U-Pb signature for each *group* in Figure 16. Individual KDEs for each sample are in the Supplementary Figures 26-29 of **Appendix E**. Except for three samples (IOS1603, IOS1607, and IOS1612), all pre-intrusive metasedimentary samples exhibit

abundant Carboniferous to Permian syn-magmatic zircon overgrowth. All ages for each sample are reported in Table A3 (**Appendix C**).

PRE-INTRUSIVE METASEDIMENTARY GROUP 1

Group 1 consists of fifteen samples - eight garnet mica schists (IOS1614, IOS1640, IOS1703, IOS1720, IOS1722, IOS1603, IOS1612, and IOS1607), five quartz mica schists (IOS1604, IOS1606, IOS 1629, IOS1701, and IOS1733), and two albite-bearing quartz mica schists (IOS1718 and IOS1706). The DZ signature of these samples is characterized by dominant and broad early Paleozoic and Neoproterozoic and smaller, but significant, Paleoproterozoic and Archean detrital age modes (Figure 11). Samples IOS1603, IOS1607, IOS1706, IOS1733 lack the lower Paleozoic age mode. A subgroup, *Group 1b* (IOS1604, IOS1606, IOS1612, and IOS1629), contains a minor Carboniferous age mode (~0.8 – 8%) and diminished lower Paleozoic age modes. Of the other 11 samples of *Group 1* (i.e., *Group 1a*), only IOS1640 contains a minor Carboniferous age mode (0.8%) and the others do not contain any Carboniferous single ages. All of *Group 1* is characterized by prominent Neoproterozoic (~55-86%, n = 1321/1879) age modes and smaller amounts of early Paleozoic (~0-11%, n = 81/1879), Mesoproterozoic (~0-15%, n = 102/1879), Paleoproterozoic (~6-24%, n = 227/1879), and Archean (~3-13%, n = 118/1879) grains. Minor age modes include Carboniferous (0-8%, n =16/1879) and Devonian (~0-3%, n = 10/1879) (Figure 11).

PRE-INTRUSIVE METASEDIMENTARY GROUP 2

This group is distinct from *Groups 1* and *3* only in terms of DZ age spectra, but not by lithologic composition (see Figure 17, **Discussion**). *Group 2* consists of one quartz chlorite schist (IOS1605), one quartz mica schist (IOS1613), and two albite-bearing quartz mica schists (IOS1704 and IOS1616). Major age modes in *Group 2* DZ spectra consists of Carboniferous (~1-

6%, n = 14/486), Devonian (~6.5-29%, n = 67/486), a large lower Paleozoic age distribution (~59-69%, n = 322/486), and a smaller Neoproterozoic group (~15-17%, n = 59/486) (Figure 12). *Group 2* contrasts with *Group 1* above with significantly smaller amounts of grains in Mesoproterozoic (~0.8-2%, n = 3/486), Paleoproterozoic (~0.8-5%, n = 13/486), and Archean (~0.7-5%, n = 6/486) age modes (Figure 12).

PRE-INTRUSIVE METASEDIMENTARY GROUP 3

Two quartz mica schists (IOS1663, IOS1717) along the northern contact with the CBU comprise *Group 3*. The DZ age spectra are like *Group 1*, except for an additional prominent Permo-Carboniferous (~35-36%, n = 83/236) age mode (Figure 13), nearly contemporaneous with the felsic intrusive rocks (Figure 4), that dilutes the signal of older age modes. The Neoproterozoic (~29-45%, n = 85/236) is strongly represented, but less than in the groups previously described. The characteristic minor age modes of *Group 3* are Devonian (~3-12%, n = 19/236), lower Paleozoic (~8%, n = 19/236), Mesoproterozoic (~0-3%, n = 4/236), Paleoproterozoic (~7-10%, n = 21/236), and Archean (~2%, n = 5/236) (Figure 13).

Post-Intrusive Metasedimentary Detrital Zircon U-Pb Results

A suite of finer-grained paragneisses, metabasalts, metaconglomerates, and quartzites is structurally juxtaposed against the pre-intrusive metasedimentary portion of the CB in (1) the peninsula west of Magganari Beach, (2) garnet- or albite-bearing quartz mica schists crop out in a thin ribbon north of Chora, and (3) quarry within the valley extending down to the Port of Ios (Figure 2). The Magganari group, mapped as CBU, and the North Chora metasedimentary rocks, mapped as “Carapace” garnet mica schist (e.g., Forster & Lister, 2008; Huet et al., 2009), exhibit DZ age spectra and MDA that are distinct from the previously described DZ groups and need to

be considered as a separate stratigraphic unit. All ages for each sample are reported in Table A3 (**Appendix C**).

This unit is a strongly lineated garnet-bearing quartz mica schist within the N Chora ribbon (samples IOS1627 and IOS1628), while it is an albite-bearing quartz mica schist just below the northern contact with the CBU (sample IOS1716), structurally juxtaposed against older garnet mica schists of the pre-intrusive metasedimentary groups. It is a quartz-mica schist with a prominent quartz lineation (sample IOS1630) and a dark-blue quartz mica schist (IOS1625) near the port Ios. On the western Magganari peninsula, this paragneissic-metavolcanic package is comprised of tourmaline-bearing mica schists (samples IOS1638 and IOS1639) and metabasites. They are brown to dark gray with fine (<1 mm) schistocity and are composed of white micas, quartz, minor feldspar, epidote, and tourmaline needles that form a NW-SE lineation (Figure 14). While characterized by similar MDAs, these rocks can be subdivided into two groups based on their provenance signature (Figure 17, **Discussion**). The KDE plots for individual samples are stacked on top of one another (Figure 15). The KDE plots are combined to display the summation DZ U-Pb signature for each *group* in Figure 16. Individual KDEs for each sample are in the Supplementary Figures 30 and 31 of **Appendix E**.

Post-Intrusive Group 1 is characterized a dominant Permo-Carboniferous peak and minor amounts of lower Paleozoic and Neoproterozoic DZ ages in samples IOS1625, IOS1716, and IOS1630 (Figure 15). *Post-Intrusive Group 1* contains dominant Permo-Carboniferous ages (~56-63%, n = 225/384) and lesser amounts of lower Paleozoic (~8-13%, n = 40/384) and Neoproterozoic ages (20-23%, n = 85/384). Minor age modes for *Post-Intrusive Group 1* include Devonian (~1-5%, n = 13/384), Mesoproterozoic (~0-3%, n = 6/384), Paleoproterozoic (~0.8-5%, n = 11/384), and Archean (~0-1.4%, n = 3/384) age modes.

In contrast, *Post-Intrusive Group 2* shows as a single Carboniferous age mode (Figure 15), with a flank trailing off into the Permian and only very sparse older DZ grains with older ages (samples IOS1627, IOS1628, IOS1638, and IOS1639). *Post-Intrusive Group 2* has a DZ age spectra that is almost entirely Permo-Carboniferous (~95-100%, n = 549/559) with negligible upper Permian (0.8%, n = 1/559), Devonian (~0-1.6%, n = 3/559), Neoproterozoic (~0-3%, n = 5/559), and Archean (~0.8%, n = 1/559) ages (Figure 15).

Between the Magganari Peninsula paragneissic-metavolcanic package and the pre-intrusive garnet mica schists, two samples from a single ~60 m thick layer yielded DZ age signatures unlike those previously described. These samples, IOS1641 and IOS1721, are light gray quartz mica schists and are characterized by the following age modes: minor Cretaceous (~2%, n = 2/218), minor Jurassic (~2.5%, n = 3/218), minor Triassic (~1-3.5%, n = 5/218), slightly more significant Permian (~9-10%, n = 21/218) and Carboniferous (~9-13%, n = 24/218), a strong lower Paleozoic (~62-78%, n = 152/218), and minor Neoproterozoic (~1-9%, n = 11/218) (Figure 15). Individual KDEs for each sample are in the Supplementary Figures 30 and 31 of **Appendix E**. These two samples are also unique in their prolific number of Mesozoic and Cenozoic overgrowth ages (Figure 16). Summation KDEs of all metasedimentary groups, as well as their metamorphic overgrowth ages, are presented in Figure 16.

DISCUSSION

The island of Ios in the southern Cyclades exposes the CB and the CBU, each units of the Cycladic subduction complex that underwent early Cenozoic HP-LT metamorphism, in the footwall of the Ios metamorphic core complex. This study presents results from magmatic and detrital zircon U-Pb dating, magmatic apatite thermochronometry, and structural observations to elucidate the late-Paleozoic tectono-magmatic and depositional history of the Cycladic Basement. These results also allow for the reconstruction of regional paleogeography, magmatism, and tectonic setting of the southern Cyclades leading up to the deposition of the CBU in the Permian and early Triassic as well as clarification of the pre-subduction relationship between the CBU and the underlying CB.

Late Paleozoic and Early Mesozoic Magmatism

CARBONIFEROUS CALC-ALKALINE ARC MAGMATISM

The plutonic complex on Ios island is characterized by equigranular and porphyritic granitic augengneisses, granodiorites, and cross-cutting aplitic dikes and constitutes the magmatic core of the Cycladic Basement. Geochemically, these calk-alkaline plutonic rocks are metaluminous composition (van der Maar, 1981). The zircon U-Pb ages for these different compositions range in age from ~305 Ma to ~330 Ma (Figure 4 and 5a-d). The earliest Carboniferous plutonic rocks (>325 Ma) are exclusively equigranular granites, while all granodiorites and porphyritic granites as well as some equigranular granites are younger and fall into the age range 305-325 Ma (Figure 4). The bulk of zircon U-Pb data yielded crystallization ages between ~321 Ma and 315 Ma (15 of 28). A zircon U-Pb age of a deformed aplite dike, cross-cutting an augengneiss with U-Pb age of ~318 Ma, yielded an age of ~317 Ma, showing that aplite dike emplacement was essentially contemporaneous with the main pulse of magma emplacement

(315-321 Ma). All 28 Carboniferous plutonic rocks exhibited thin ~315-320 Ma zircon magmatic overgrowths that are younger than the actual crystallization ages (Table A2 in **Appendix C**), implying that the magmatic system magmatic system either remained hot or was reheated during late-stage, voluminous magma emplacement around ~315-320 Ma. Similar zircon overgrowths are abundant in the pre-plutonic, metasedimentary host-rocks (Figure 16).

Overall, the range of overlapping plutonic U-Pb ages demonstrates that felsic intrusive rocks were emplaced continuously over a ~25-30 Myr time interval as part of an arc-magmatic complex associated with the northward subduction of the Paleotethys along the Pelagonian continental margin (Stampfli & Borel, 2002). Most of these calc-alkaline intrusive rocks also exhibit inherited zircon cores (Figure 6), with predominantly Lower Paleozoic and Neoproterozoic ages, suggestive of emplacement of the Carboniferous magmatic arc into continental crust characterized by metasedimentary host-rocks with Gondwanan or Peri-Gondwanan tectonic-affinity.

TRIASSIC MAGMATISM

Biotite-bearing granites along the eastern coast of Ios yielded Triassic crystallization ages of 232-236 Ma (Figure 8), indicative of localized felsic magmatism during the early Mesozoic. This age range is similar to that of felsic metatuffs that are interbedded with carbonates and mica schists of the overlying CBU. These metatuffs are associated with early Triassic syn-extensional bimodal volcanism and yielded U-Pb ages ranging from ~230-240 Ma (Bröcker & Pidgeon, 2007; Poulaki, 2018; Seman et al., 2017). Rift-related Triassic granitic magmatism has also been recorded in the internal Hellenides (Himmerkus et al., 2009). Contemporaneous felsic magmatism in the CB and the CBU implies that the CB and the CBU were in close geographic proximity in

the Middle Triassic, and that the CB Triassic granites were likely associated with bimodal magmatism along the rifted continental margin.

Post-Magmatic Thermal History

Permian apatite U-Pb cooling ages (~290 Ma, Figure 7) from Carboniferous plutonic rocks are indicative of rapid post-magmatic tectonic cooling of the crystalline CB. While there are no constraints on emplacement depth, the CB plutonic rocks remained at elevated temperatures >20-25 Myrs after intrusion, precluding hypabyssal initial emplacement. The Carboniferous felsic plutonic CB rocks rapidly cooled <450°C and unroofed to the surface, providing source material for subsequent sedimentary deposits. Importantly, these Permian cooling ages corroborate the findings of previous studies that the CB and CBU did not experience temperatures exceeding 350-380°C during Paleogene HP-LT metamorphism nor in Oligo-Miocene metamorphic core complex formation (Thomson et al., 2009). These thermochronometric data clearly contradict recent P-T estimates suggesting maximum subduction metamorphic temperatures of >500°C at 18 kbar (e.g., Grasemann et al., 2012; Menant et al., 2018) and in turn suggest a cold subduction zone, with lower peak temperatures and pressures (<400°C at 11-14 kbar). The apatite U-Pb data also question whether all high-temperature mylonitic fabrics on Ios are indeed associated with Oligo-Miocene middle-crustal shearing and core complex deformation, and not at least in part related to Permian extensional unroofing. Despite Permian cooling to <450°C and subduction peak temperatures <380°C, some granitic and granodioritic samples contained zircon with Paleogene HP-LT metamorphic overgrowths (e.g., IOS1645: Table A2 in **Appendix C**), confirming that the CB was subducted together with the overlying CBU, shown by recent studies to contain abundant Paleogene metamorphic zircon rims (Seman et al., 2017; Poulaki, 2018).

Chronostratigraphy of Metasedimentary Rocks

The original stratigraphy of both the CB metasedimentary host-rocks and the overlying CBU has been structurally re-ordered due to early Paleogene subduction and Oligo-Miocene core complex formation. However, DZ U-Pb geochronology allows for the calculation of maximum depositional ages (MDAs) and lithological correlation based on DZ provenance signatures. These MDAs are utilized to reconstruct a chronostratigraphic framework of the CB prior to pervasive structural overprinting in order to gain insight into the pre-subduction geological evolution of the southern Cyclades, as well as into Paleogene subduction processes.

PERI-GONDWANAN PRE-INTRUSIVE METASEDIMENTARY HOST-ROCKS

The DZ U-Pb analyses of the heterogeneously deformed suite of garnet mica schist, metaconglomerate, and quartzo-feldspathic schist that form the host-rocks for the Carboniferous plutonic rocks on Ios revealed MDAs that span nearly 300 Myrs from the upper Neoproterozoic to the early Carboniferous. To minimize the impact of Pb-loss, the preferred MDA for individual samples uses the method of calculating the mean of the youngest three-or-more grain cluster within 2σ, as outlined by (Dickinson & Gehrels, 2009), including only zircon grains with <10% discordance (Figures 18 and 19). While MDAs do not correlate with lithology, multi-dimensional scaling (Figure 17) suggests a provenance-based subdivision of the pre-Carboniferous CB metasedimentary lithologies into three distinct *groups*.

Group 1 contains samples with late Neoproterozoic, Cambrian, and Ordovician MDAs. The oldest samples in *Group 1* are Neoproterozoic in age, as for example an east-coast garnet mica schist with an MDA of 646.3 ± 0.9 Ma. Most samples in *Group 1a* also yielded Neoproterozoic MDAs, though often showing younger single grains (YSG) characterized by apparent Pb los (Figure 18). *Group 1a* exhibits Cambrian and Ordovician MDAs (Figure 18). The four samples

from *subgroup 1b* all show late Neoproterozoic to Cambrian MDAs. Carboniferous ages in all *Group 1* samples are similar to ages of adjacent plutonic rocks and are interpreted as Carboniferous overgrowths associated with magmatism and contact metamorphism. The youngest MDA is Ordovician from a garnet mica schist west of Magganari Beach (481.8 ± 3.6 Ma) (Figure 18).

The four samples in *Group 2* have Devonian MDAs. A quartz chlorite schist from east of Magganari Beach and a quartz mica schist from the Psathi region yielded an MDA of 421.2 ± 1.4 Ma and 365.8 ± 1.4 Ma, respectively. (Figure 19). However, the Psathi samples are also dominated by syn-magmatic zircon overgrowths associated with Carboniferous arc magmatism (Table A3 in **Appendix C**). The presence of abundant lower Paleozoic grains clearly shows these rocks were deposited after late Neoproterozoic rocks of *Group 1*. Lead loss is again identified by roll-over profiles, controlled by U concentrations, suggesting that the YC2σ (3+) ages are the most reasonable and robust MDAs.

The metasedimentary *Group 3* rocks contain two quartz mica schist samples along the N and NW contact between the Basement and the overlying CBU that yielded Carboniferous ages of 326.9 ± 0.8 Ma to 305.4 ± 0.7 Ma, similar to the ages of plutonic rocks (Figure 19). Considering the structural position, the lack of intrusive cross-cutting relationships, and the shear abundance of Carboniferous DZ U-Pb ages, these rocks are interpreted to represent syn-intrusive volcanoclastic strata.

Though of varying sedimentary composition, metasedimentary CB *Groups 1 and 2* were likely deposited in the latest Neoproterozoic or lower Paleozoic with Carboniferous U-Pb ages are interpreted as metamorphic overgrowths associated with the emplacement of felsic plutons in the region. This is corroborated by the existence of Carboniferous thin zircon rims evidenced in depth-profile analysis (Table A3 in **Appendix C**) (Figure 16). Intermediate aged grains show a diffuse

age evolution likely caused by Pb loss. Samples along the northern CBU/Basement contact on Ios, *Group 3*, contain a significant amount of Carboniferous grains, suggesting these rocks represent volcanoclastic strata deposited during Carboniferous arc magmatism. Samples with Carboniferous MDAs show a progressively decreasing Devonian-Carboniferous peak that coincides with the MDA in most cases (Figures 11-13). In general, the metasedimentary host-rocks of the CB on Ios record a jumbled assemblage of Neoproterozoic strata alternating with Cambrian and Ordovician strata. The alternation of ages of pre-intrusive metasedimentary host-rocks, including map-scale folds and older-over-younger relationships, is suggestive of repeated tectonic slices underplated and sheared within the Paleogene subduction zone beneath slices of overlying CBU.

PERMIAN, SYN-RIFT, POST-INTRUSIVE METASEDIMENTARY ROCKS

Like the pre-intrusive metasedimentary rocks, post-intrusive Permian metasedimentary rocks were subdivided into two groups according to their MDS classification (Figure 17). The three samples of *post-intrusive Group 1* are composed of >50% Permian DZ grains and define MDAs with a uniquely small range from 296.5 ± 0.7 Ma to 294.4 ± 0.7 Ma. The four samples of *post-intrusive Group 2* are composed of >95% Permian grains with MDAs ranging from 294.6 ± 0.9 Ma to 272.8 ± 1.0 Ma. Youngest single ages likely affected by lead loss yielded Triassic or Late Permian ages, respectively (Figure 20). Permian MDAs and unique unimodal DZ age spectra identify these rocks as clearly distinct from the pre-intrusive metasedimentary host-rocks of the CB and document a post-intrusive depositional age.

MESOZOIC CBU TECTONIC SLIVERS

Within the pre-intrusive metasedimentary package west of Magganari beach, a lithologically distinct tectonic sliver, consisting of light gray quartz mica schist, yielded Jurassic

and Triassic MDAs (Figure 21). Combined with distinctly different DZ age spectra (Figures 15 and 16), these data suggest that this light-gray quartz mica schist represents an in-folded or faulted tectonic sliver of CBU on the western Magganari peninsula. DZ U-Pb MDA and provenance data for all other paragneisses from the Magganari peninsula clearly document them as pre-intrusive CB metasedimentary rocks and post-intrusive transitional rocks and not as Triassic CBU as previously mapped (e.g., Forster & Lister, 2008; Huet et al., 2009).

Furthermore, DZ U-Pb data from the CBU structurally overlying the CB in northern Ios (Poulaki, 2018) show early Triassic MDAs and imply continuous Permo-Triassic deposition with no significant hiatus between the deposition of Permian syn-rift sediments and the earliest CBU. This strongly argues for a depositional pre-Cenozoic relationship between the CBU and the CB.

Structural Repetition of CB and Transitional Metasedimentary Rocks

Considering pervasive retrograde greenschist-facies shearing associated with subduction and core complex formation, fault relationships with the CB and CBU metasedimentary packages are difficult to interpret in the field. However, chronostratigraphic constraints based on MDA (Figures 18-21) and supported by provenance data (Figures 11-13 and 15-16) help elucidate structural relationships and identify structural repetitions resulting from Paleogene subduction of the Cycladic Basement and the CBU. Along the northern-most contact between CB with CBU metasedimentary rocks, a series of moderately north-dipping faults are cross-cut by conjugate N-S sets of angle-angle normal faults. MDAs from three samples along a ~100 m transect reveal an older-over-younger thrust relationship along the moderately north-dipping faults within the CB. Neoproterozoic albite-bearing quartz mica schist in the hanging wall are thrust over Carboniferous quartz mica schist in the footwall (Figure 22). Similarly, ~50 m to the south along the road, these

Carboniferous quartz mica schists are thrust themselves over Permian metasedimentary rocks, suggesting consistent 10-100 m scale overthrust relationships.

As previous discussed, DZ U-Pb results also revealed cryptic folding or imbrications within the stratigraphy west of Magganari Beach at the southern end of the Ios island (Figure 23). While the stratigraphy is monotonously south-dipping, a highly-variable lithological package transitions into Permian tourmaline-bearing mica schist interbedded with metabasalts at the tip of the peninsula.

Provenance

PERI-GONDWANAN PRE- INTRUSIVE METASEDIMENTARY HOST-ROCKS

Despite some systematic variability in the youngest zircon U-Pb age mode related to the MDA of pre- to syn-intrusive metasedimentary rocks on Ios, dominant DZ age modes and spectra are readily explained by distinctly different source terranes. Archean and Paleoproterozoic age modes (Figure 16) can be attributed to the West African and Saharan meta-cratons and their fringing orogenic belts (e.g., Gray et al., 2008; Meinhold et al., 2013). The prominent, broad Neoproterozoic peaks (Figure 16) are consistent with the prolonged period of Pan-African orogenesis in central, eastern, and northern Gondwana, which formed the East African orogen (Trans-Gondwanan Supermountain: Squire et al., 2006; Meinhold et al., 2013). Therefore, an age distribution with African metacratonic and Pan-African peaks is diagnostic of sedimentary rocks sourced from Gondwana and Peri-Gondwanan terranes. Additionally, the DZ age spectra of pre-plutonic metasedimentary rocks from Ios (Figure 16) share a striking resemblance to the DZ age spectra of the Phyllite-Quartzite unit exposed on Crete and in the northern and central Peloponnese (Chatzaras et al., 2016; Kydonakis et al., 2014; Zulauf et al., 2015), as well as to the terranes in the northern Hellenides (Himmerkus et al., 2007). These dominant, Gondwanan-sourced age

modes and the lack of Laurussian-source age modes (e.g., ~1100 Ma) suggests that the pre- to syn-intrusive metasedimentary host-rocks on Ios are part of a Peri-Gondwanan terrane, likely the Hunic Super-terrane rifted from eastern portions of western Gondwana. The similarity to DZ age spectra from northeast Africa and Arabia indicates that in the early Paleozoic, this terrane was along the northern margin of Gondwana, receiving sedimentary from the Gondwanan super-fan system, which actively drained much of northern and eastern Gondwana during the late Neoproterozoic and early Paleozoic (e.g., Kydonakis et al., 2014; Meinhold et al., 2013).

The DZ age signatures appear to remain stable throughout Neoproterozoic through Ordovician deposition of *Group 1* (Figure 16). However, *Group 2* DZ spectra show a marked decrease in Neoproterozoic Pan-African and Mesoproterozoic and older Saharan meta-cratonic zircon and a dominant lower Paleozoic peak (Figure 16). This pronounced lower Paleozoic age peak suggests the presence of an active magmatic source supplying an abundant number of volcanic, first-cycle zircon, while diluting Pan-African and older cratonic sources. This decline in Pan-African and older cratonic zircon grains might also be evidence for rifting and isolation from the cratonic hinterland source areas. Specifically, this might occur at the time the terrane, containing the Basement metasedimentary units, was rifted from the northern Gondwanan margin during opening of the Paleotethys in the early Paleozoic.

The *Group 3* DZ age spectra are characterized by a dominant Permo-Carboniferous age mode (~45%) and diminished and/or diluted Neoproterozoic Pan-African and older age components (Figure 16). This decline of recycled Peri-Gondwanan affinity DZs in *Group 3* is clearly associated with the onset of Carboniferous arc magmatism and the input of Carboniferous volcanic zircon grains, contemporaneous with pluton emplacement in the crystalline CB of the

southern Cyclades (Figure 4), associated with Paleotethys subduction. Bar graphs displaying the proportion of ages for all metasedimentary groups are in Figure 32 of **Appendix E**.

LOCALLY-SOURCED PERMIAN SYN-RIFT ROCKS

Post-plutonic Early to Middle Permian metasedimentary rocks display an extremely limited age distribution (Figure 16), dominated by Permian volcanic and Carboniferous zircon likely derived from crystalline CB rocks that were rapidly unroofed to the surface, eroded, and shed into isolated Permian syn-rift basins. This interpretation is also supported by apatite U-Pb cooling ages from the plutonic CB, indicating rapid Early Permian exhumation, and the regionally discontinuous nature of Permian strata sandwiched between the CB and the Triassic CBU, implying deposition in isolated syn-rift half grabens. Given the spatial relationship with the Carboniferous magmatic arc, Permian rifting can be classified as either intra-arc or back-arc extension and was likely the result of either Paleotethys slab roll-back and/or opening of the Neotethyan basin to the North of the Carboniferous Paleotethys subduction zone (e.g., Pindos, Maliac, and Vardar). A Permian syn-extensional depositional setting is supported by the existence of metabasalts within the post-intrusive metasedimentary package west of Magganari Beach.

TRIASSIC CYCLADIC BLUESCHIST UNIT

The Magganari peninsula in southern-most Ios exhibits a tectonically intercalated early Mesozoic metasedimentary sliver, surrounded by CB metasedimentary host-rocks. It is characterized by a distinct, relatively cosmopolitan DZ U-Pb age spectra (Figure 15 and 16) that exhibit dominant lower Paleozoic zircon and broad Neoproterozoic peaks. Besides the addition of a major component of Mesozoic DZ grains, the DZ U-Pb signature of this tectonic sliver resembles and could be recycled from pre-intrusive *Group 2* CB metasedimentary rocks.

Long-Term Tectonic Evolution

The analysis of magmatic and detrital zircons from the Cycladic Basement on Ios Island enable a more complete understanding of the tectono-magmatic evolution of the southern Cyclades at the end of the Paleozoic and the beginning of the Mesozoic and of the regional tectonics of the Aegean realm prior to initiation of the Hellenic subduction zone (Figure 24). Pre-intrusive Neoproterozoic to Devonian garnet mica schist, metaconglomerate, albite-bearing quartz mica schist, and quartz mica schist of the Cycladic Basement are characterized by DZ provenance signatures indicative of a Peri-Gondwanan tectonic affinity. These metasedimentary host-rocks were likely part of either Cadomia or the Hunic super-terrane which rifted from Gondwana in the Cambrian and experienced Carboniferous arc magmatism along its southern margin in response to northward subduction of the Paleotethys. These Carboniferous calc-alkaline rocks now form the crystalline core of Ios and other southern Cycladic islands (e.g., Paros). Apatite U-Pb thermochronometric documents rapid post-magmatic tectonic cooling during Permian times, signaling the onset of Permian to Triassic rifting that is also recorded by Permo-Triassic syn-rift basins (Figure 24 and 25). By the Middle Triassic, granitic magmatism in the CB and bimodal volcanism in the CBU signaled the initiation of back-arc extension and the formation of a rifted continental margin. Continued Triassic and Jurassic rifting resulted in the separation of the southern Cyclades from Pelagonia, opening the Pindos basin, and deposition of the deep-marine facies of the CBU on a rifted to passive continental margin sedimentary prism. The Carboniferous, Permian, and early Triassic tectonic setting of the southern Cyclades is graphically summarized in Figure 24 and a schematic cross-section of Ios Island during the early Triassic is depicted in Figure 25.

CONCLUSIONS

The zircon and apatite U-Pb results in this study provide information necessary to understand the tectonic affinity and the tectono-magmatic history of the Cycladic Basement. A significant pre-intrusive metasedimentary CB stratigraphy reveals a Peri-Gondwanan affinity with DZ age distributions like that of the Gondwanan super-fan system. This Peri-Gondwanan terrane (e.g., Hunic super-terrane) was north of the active Carboniferous convergent margin and north of the future Paleotethys suture during voluminous arc magmatism that formed the crystalline core of the CB.

Early Permian cooling and unroofing of plutonic CB rocks provided a local sediment source for Permian successor basins along an extending continental margin. The Permo-Triassic rifted margin then transitioned into a passive-margin where the Early Triassic-Paleogene CBU was deposited. Due to the lack of a significant hiatus between Permian and Triassic MDAs, it is likely that the initial CBU/Basement contact was depositional. However, the existence of 10-100 m overthrusts in the CB metasedimentary stratigraphy, 100-meter scale overthrusts in the CBU stratigraphy (Poulaki, 2018), map-scale north- and south-verging folds in both units, and Paleocene-Eocene metamorphic zircon overgrowths in both units confirms that the CB and CBU sedimentary lithologies were locally sheared and structurally juxtaposed with each other during Paleocene-Eocene subduction.

The new chronometric constraints presented in this study enable the reconstruction of the pre-Cenozoic depositional, magmatic, and tectonic evolution of the CB exposed in the southern Cyclades. Furthermore, these robust zircon and apatite U-Pb ages add to the understanding of the tectono-metamorphic evolution of the CB during Paleogene subduction and Oligo-Miocene core complex formation. Aside from a more complete understanding of the tectonic evolution of these

rocks in the southern Cyclades, these new insights also help further the understanding of tectonic processes operating during accretion and underplating of crustal fragments during subduction.

FIGURES

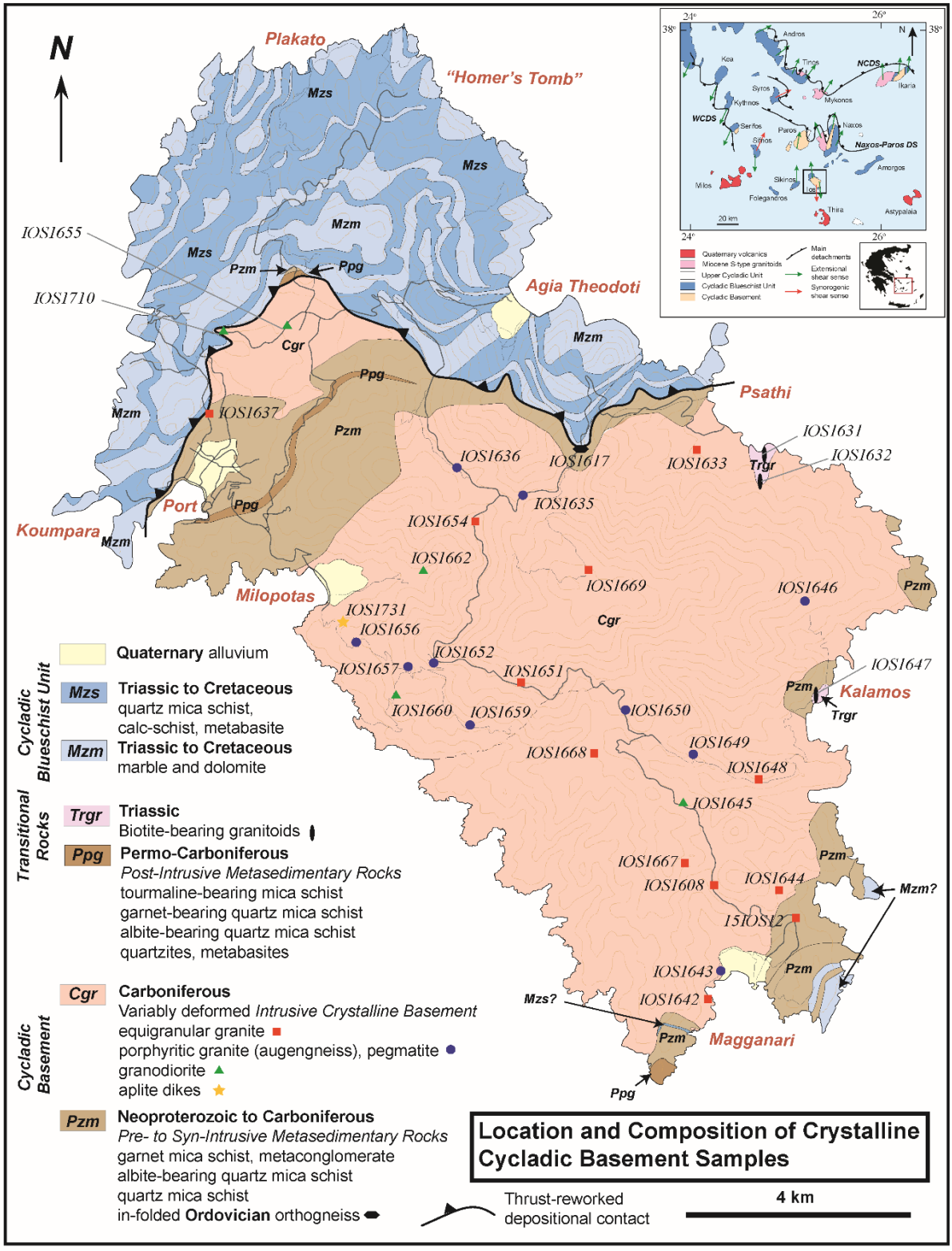

Figure 1. Geologic map of Ios Island showing locations and composition of plutonic samples. Adapted from Huet et al. (2009) and Forster and Lister (2008).

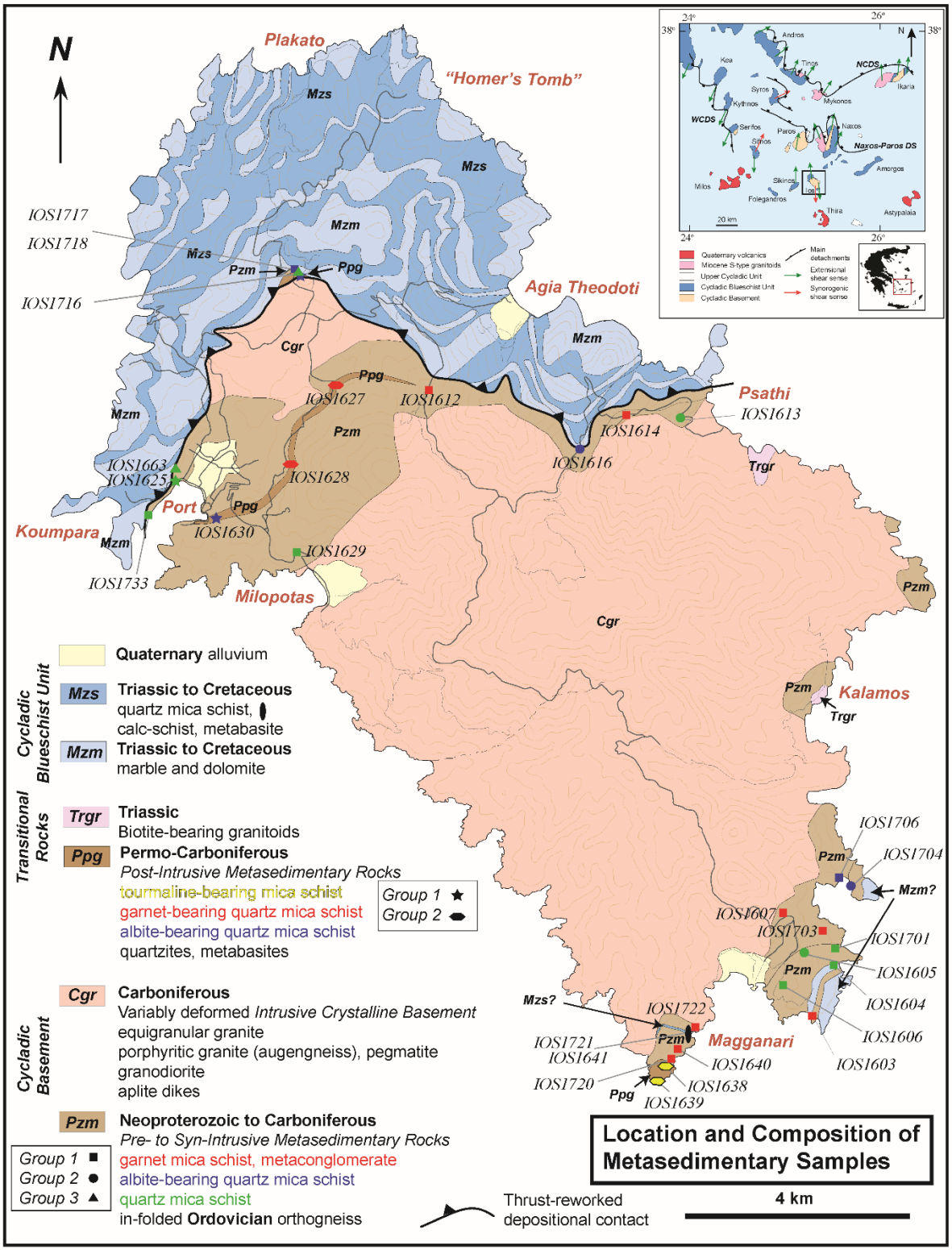

Figure 2. Geologic map of Ios Island showing locations, lithology, and DZ U-Pb provenance-based *group* of metasedimentary samples. Adapted from Huet et al. (2009) and Forster and Lister (2008).

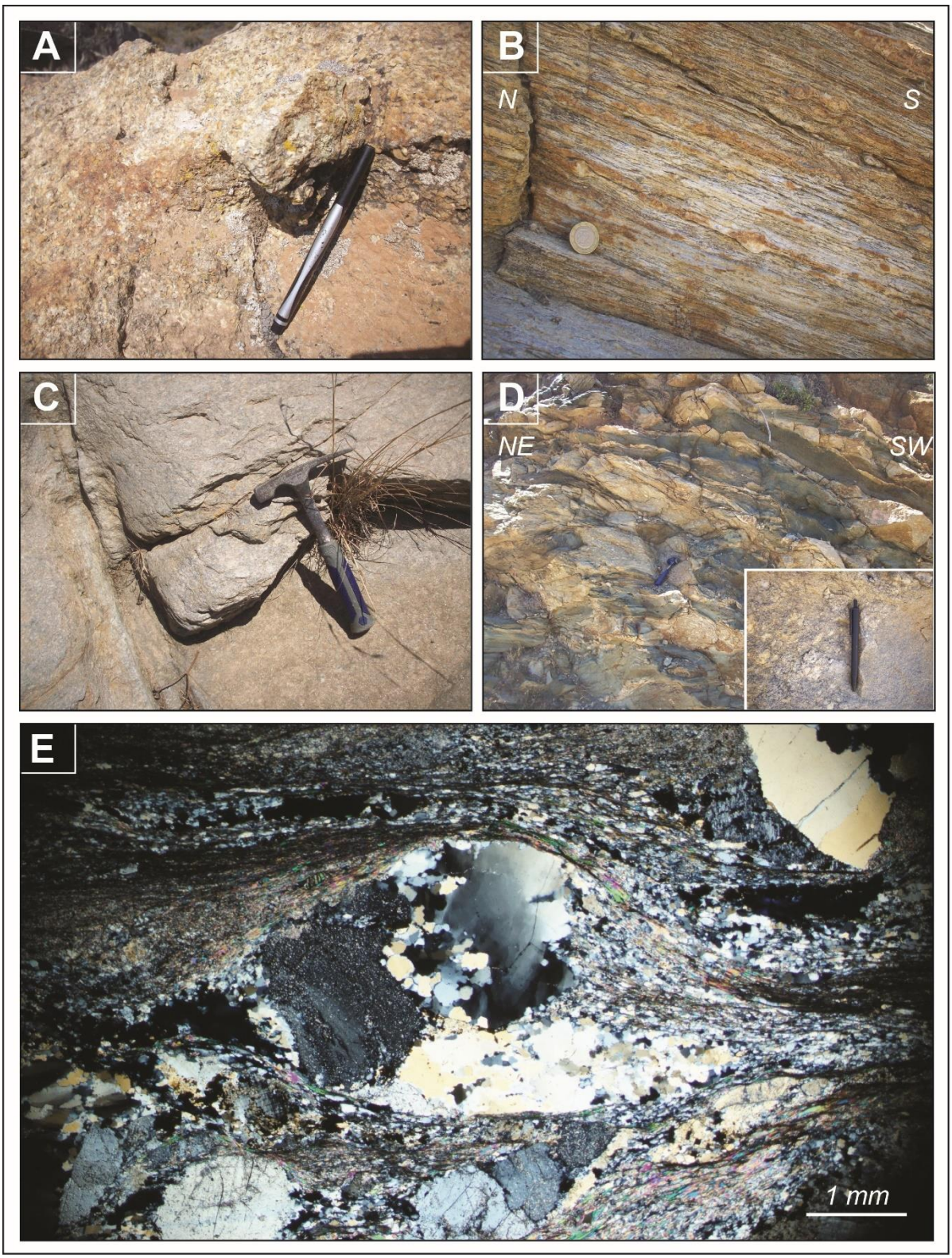

Figure 3.

Figure 3, con't. Field photographs of the four compositions of Carboniferous felsic intrusive rocks of the Cycladic Basement. A. Equigranular granites often show pervasive stretching lineation, but small grain size limited the formation of augengneiss structures (IOS1668; 36° 41.387' N, 25° 20.581' E). B. Porphyritic granites show classic augengneiss structure (IOS1636; 36°43.796' N, 25° 19.087' E). C. Granodiorites are generally finer-grained than the more felsic rocks on Ios (IOS1662; 36° 42.903' N, 25° 18.751' E). D. Aplitic and metabasite dikes cross-cut porphyritic granites in the western region near Mylopotas. (Inset: sample IOS1731; 36°42'28.82"N, 25°17'52.65"E). E. Photomicrograph of IOS1634M, an equigranular granite with white micas developed in coaxial pressure shadows and shear bands around dynamically recrystallized quartz and feldspar porphyroclasts (cross-polarized light; 36°43.550' N, 25° 19.772' E).

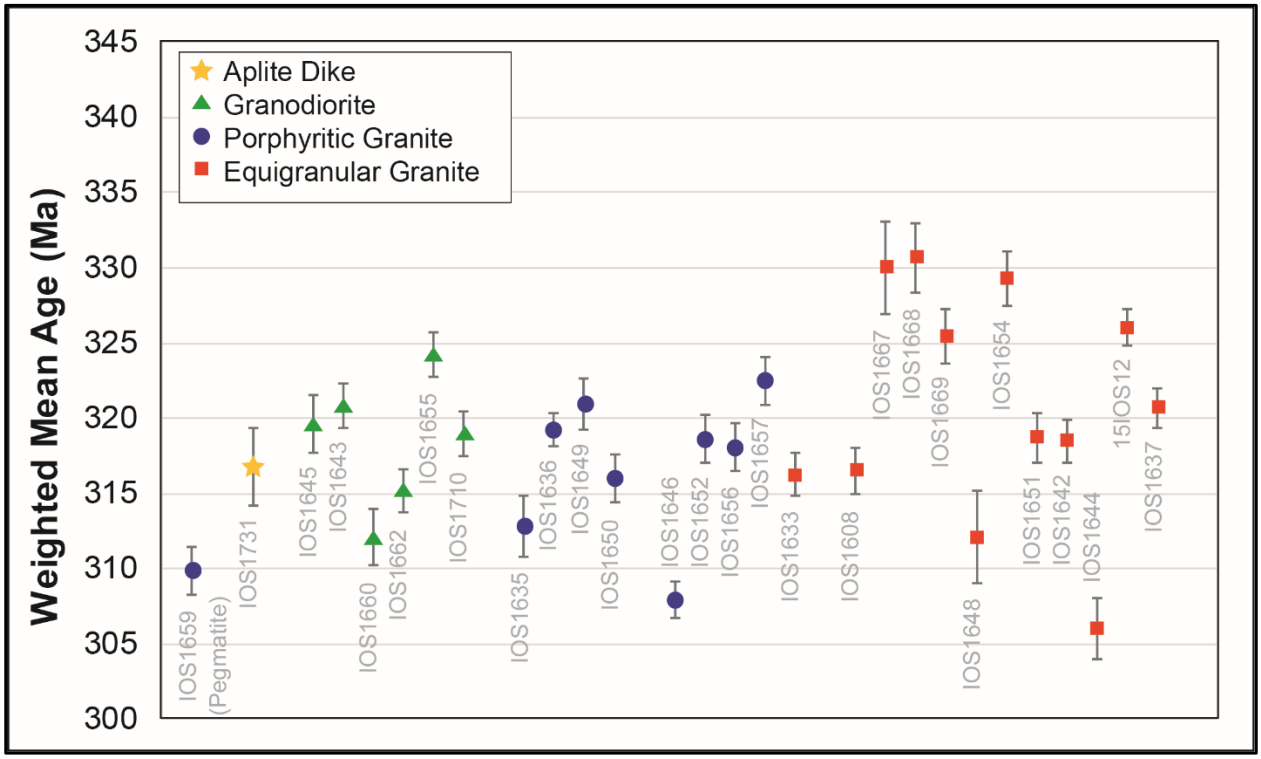

Figure 4. Weighted mean crystallization ages of all Carboniferous felsic intrusive rocks with symmetric 2σ error bars. Samples are grouped by composition.

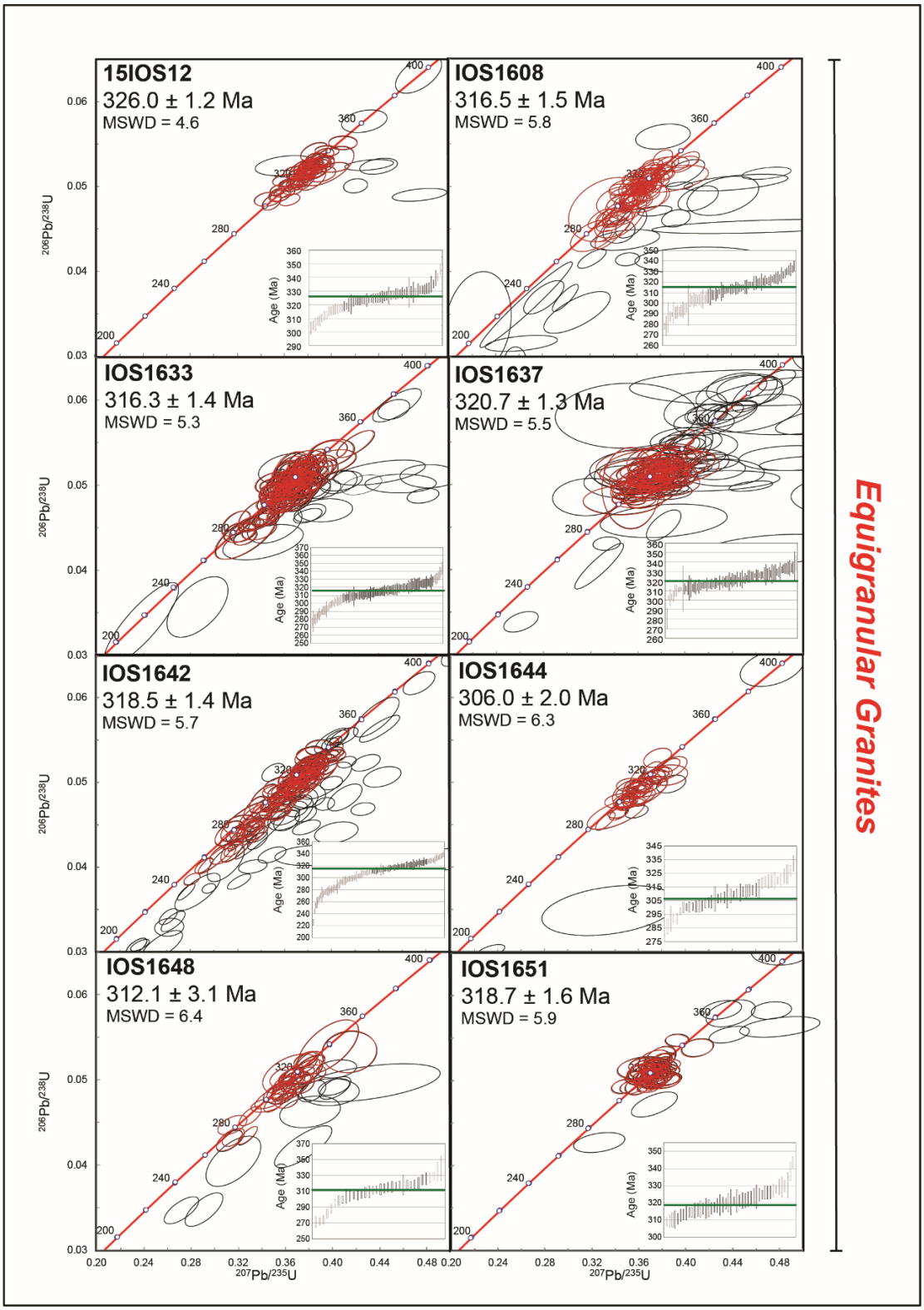

Figure 5a. Wetherill concordia diagrams and stack plots of Carboniferous crystalline Basement rocks. Error ellipses and bars are 2σ uncertainties. Ages are weighted means, represented by green horizontal line on stack plot. Red ellipses are ages with <5% discordance and black ellipses are ages with >5% discordance.

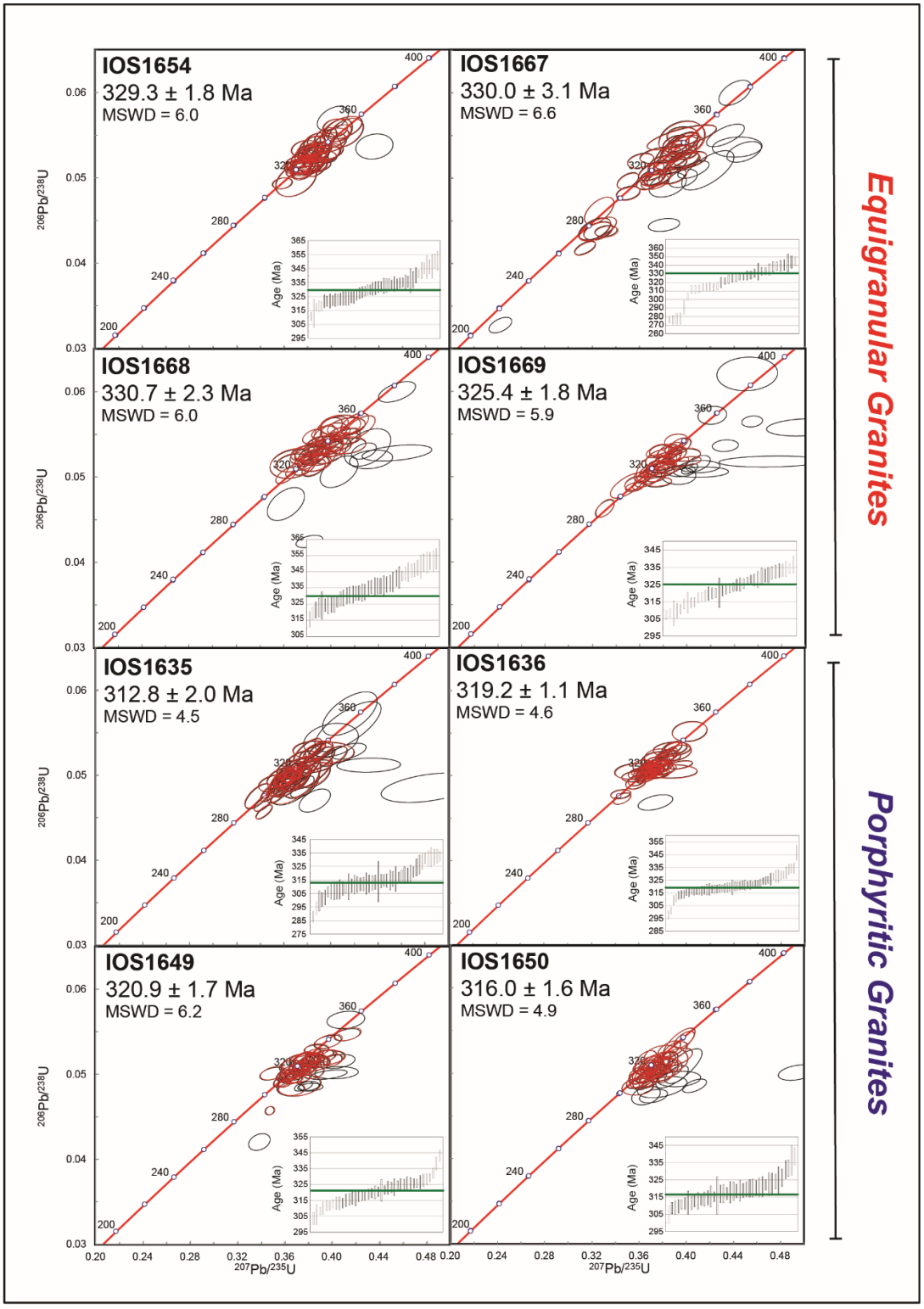

Figure 5b. Wetherill concordia diagrams and stack plots of Carboniferous crystalline Basement rocks. Error ellipses and bars are 2σ uncertainties. Ages are weighted means, represented by green horizontal line on stack plot. Red ellipses are ages with <5% discordance and black ellipses are ages with >5% discordance.

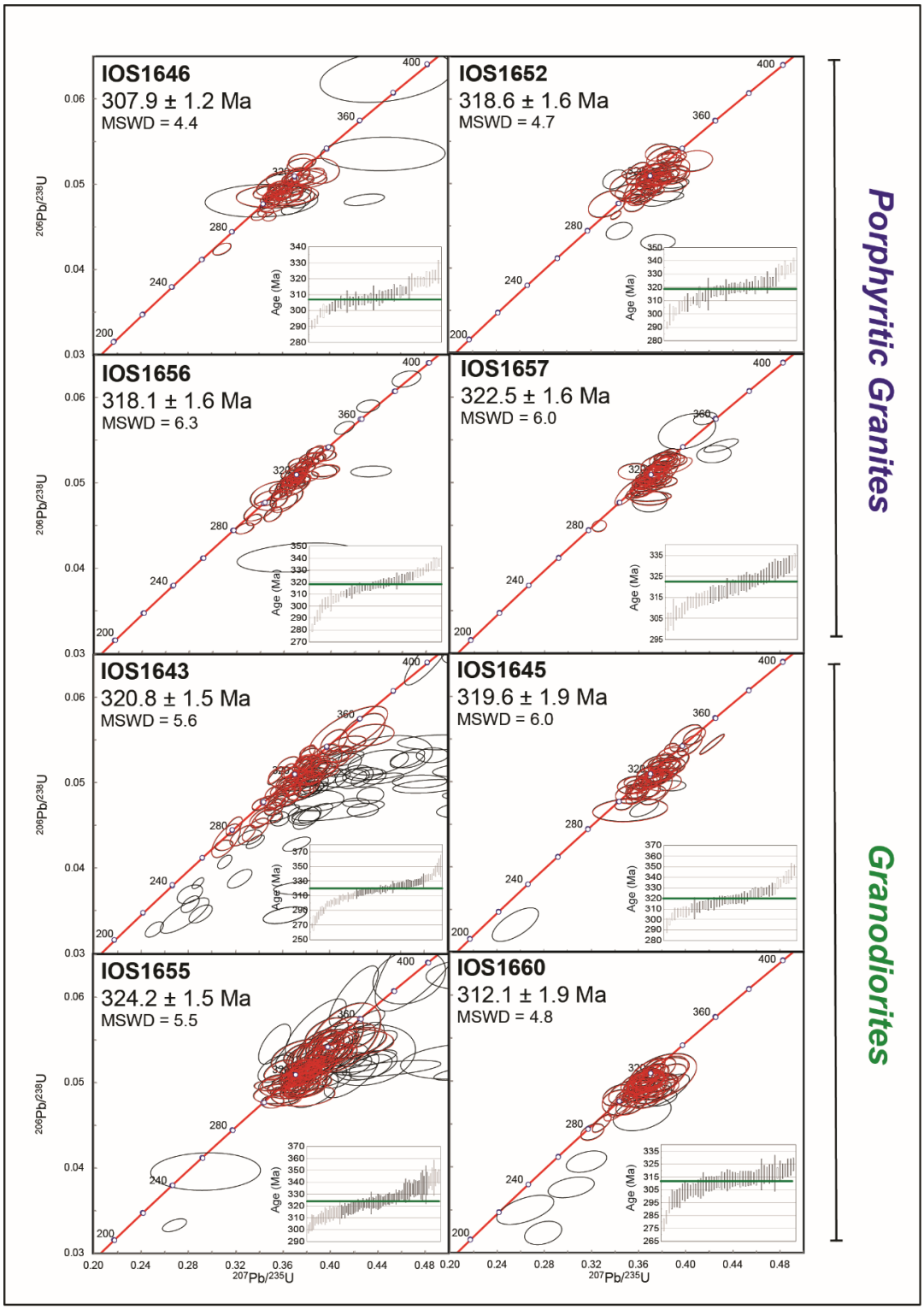

Figure 5c. Wetherill concordia diagrams and stack plots of Carboniferous crystalline Basement rocks. Error ellipses and bars are 2σ uncertainties. Ages are weighted means, represented by green horizontal line on stack plot. Red ellipses are ages with <5% discordance and black ellipses are ages with >5% discordance.

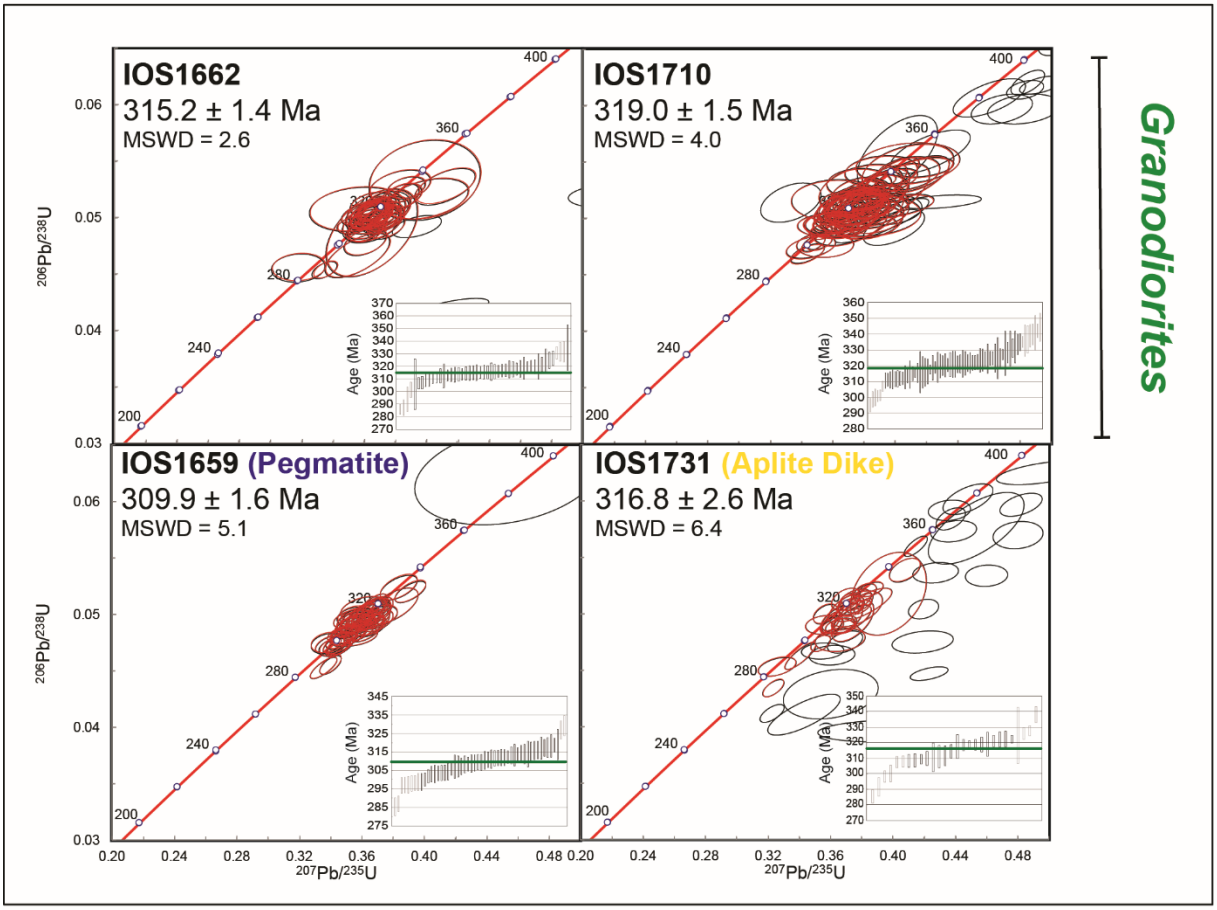

Figure 5d. Wetherill concordia diagrams and stack plots of Carboniferous crystalline Basement rocks. Error ellipses and bars are 2σ uncertainties. Ages are weighted means, represented by green horizontal line on stack plot. Red ellipses are ages with <5% discordance and black ellipses are ages with >5% discordance.

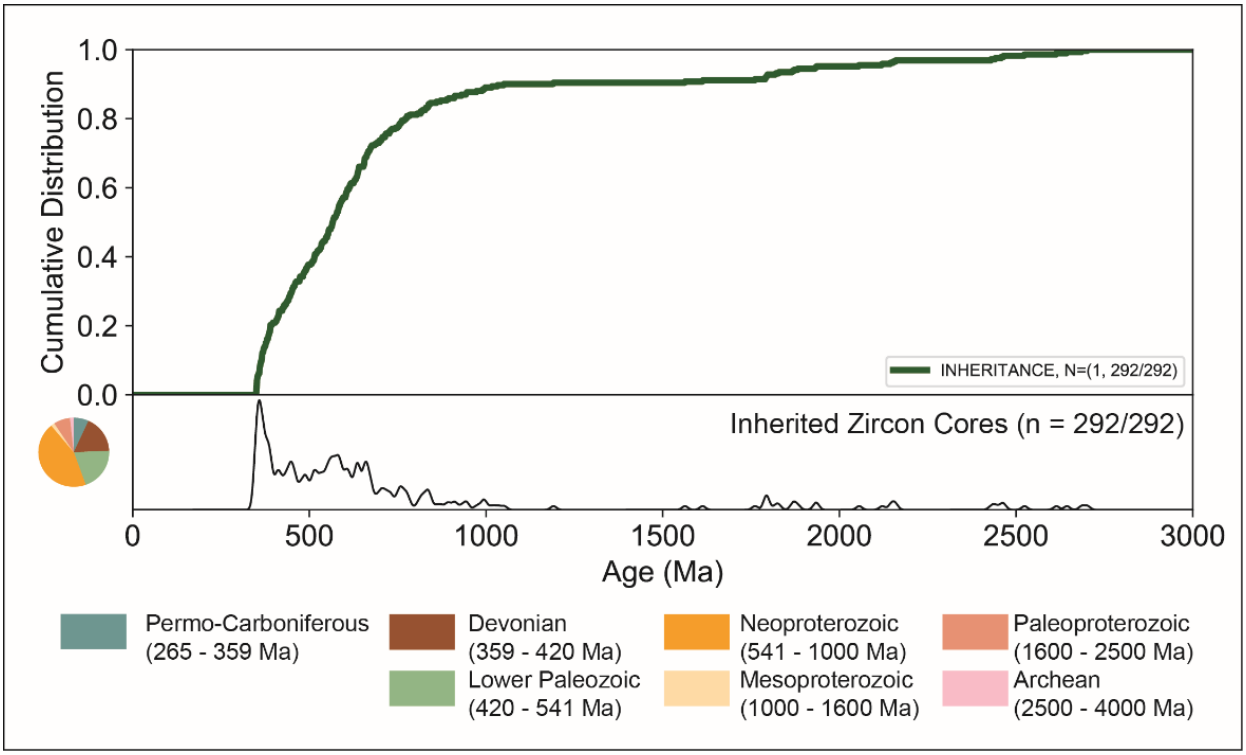

Figure 6. Kernal density estimate (KDE) plot of inherited zircon cores from Carboniferous plutonic rocks.

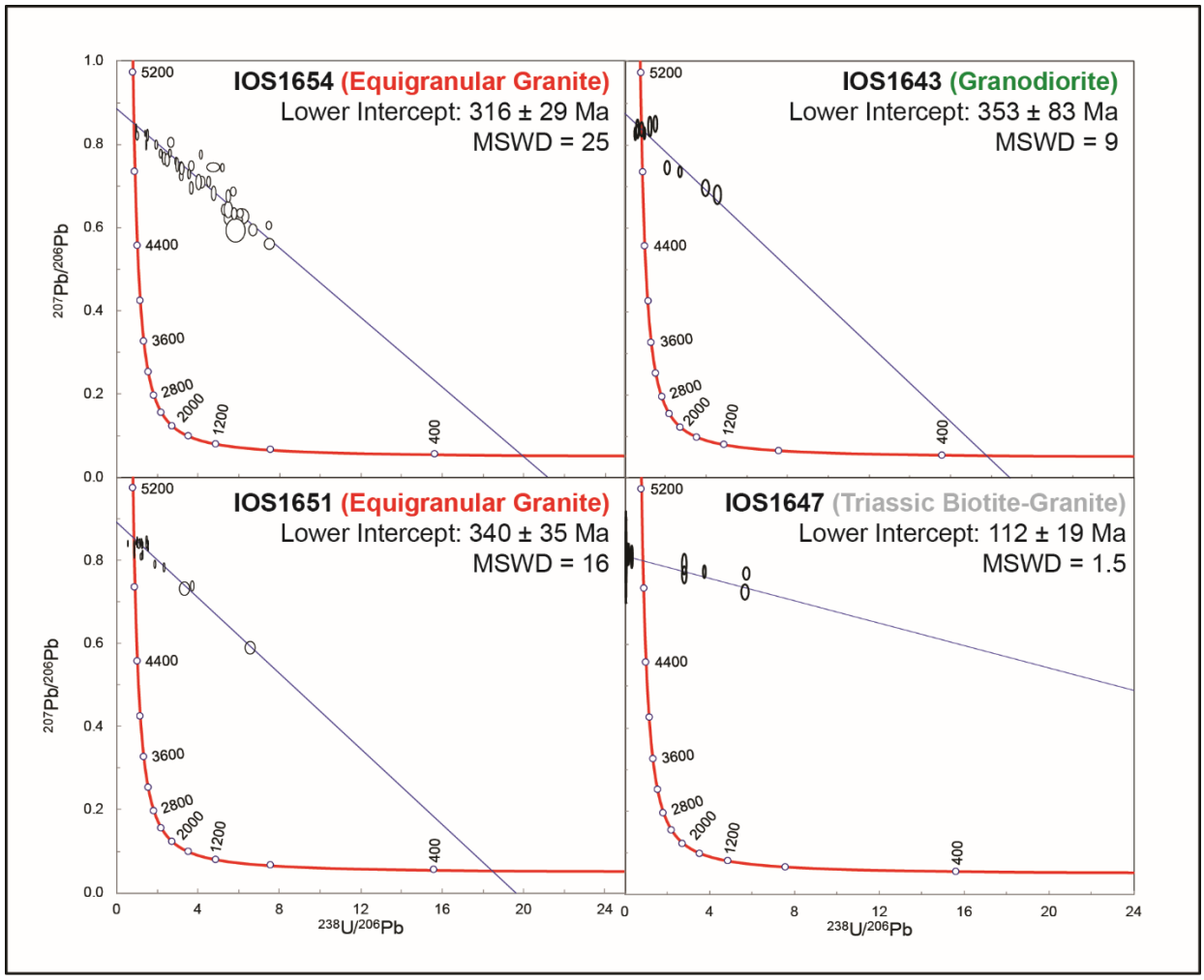

Figure 7. Tera-Wasserburg concordia plot of four bulk apatite U-Pb analyses. Ages are lower-intercept ages. Samples IOS1654, IOS1643, and IOS1651 are Carboniferous plutonic rocks while sample IOS1647 is a Triassic biotite-bearing granite from the east coast of Ios.

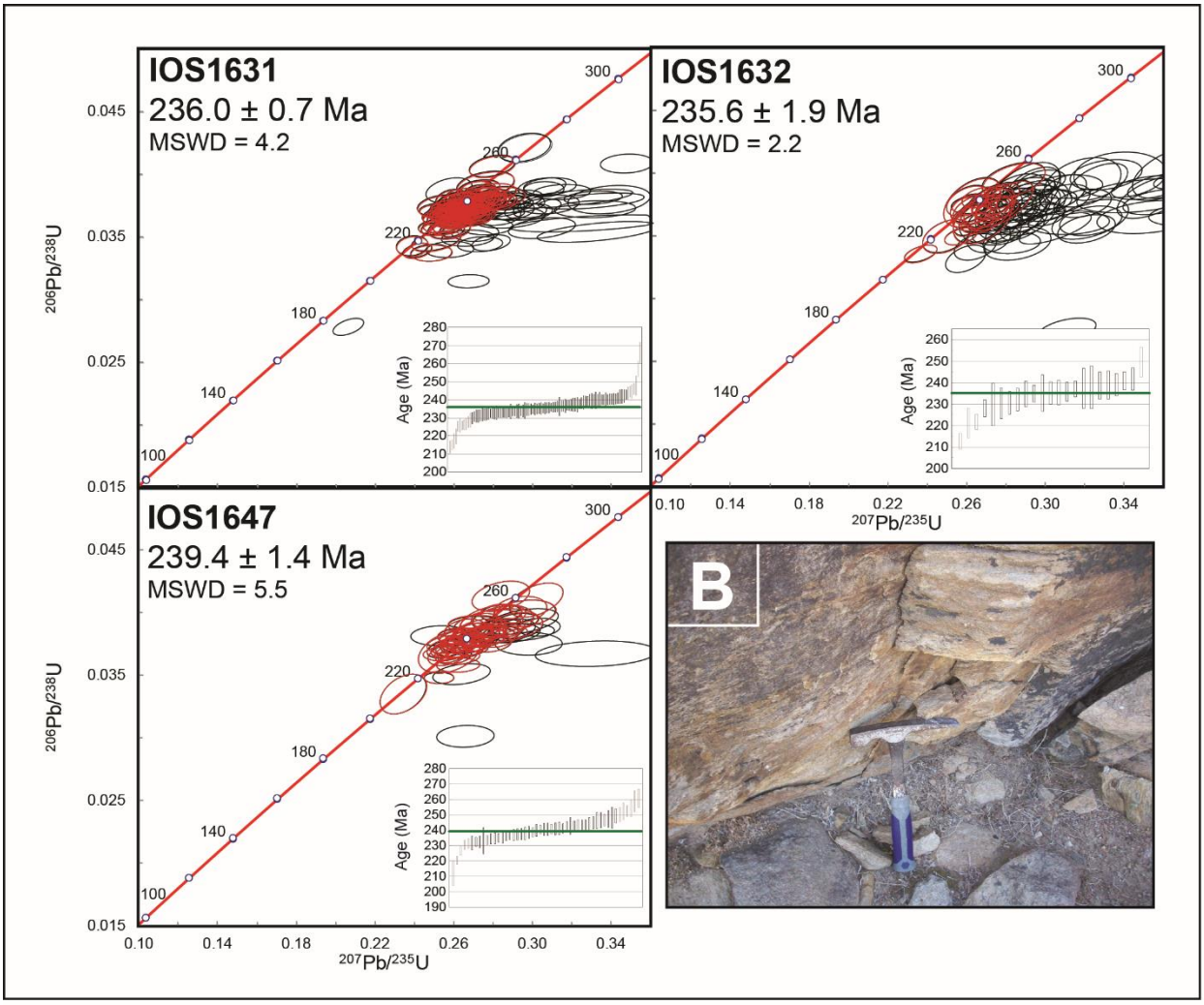

Figure 8. Wetherill concordia diagrams and stack plots of Triassic biotite-bearing granites IOS1631, IOS1632, and IOS1647. Error ellipses and bars are 2σ uncertainties. Ages are weighted means, represented by green horizontal line on stack plot. Red ellipses are ages with <5% discordance and black ellipses are ages with >5% discordance. B. As shown in this photograph of IOS1631, these granitoids tend to weather in sheets but are otherwise difficult to distinguish from Carboniferous plutonic rocks and sheared metasedimentary CB.

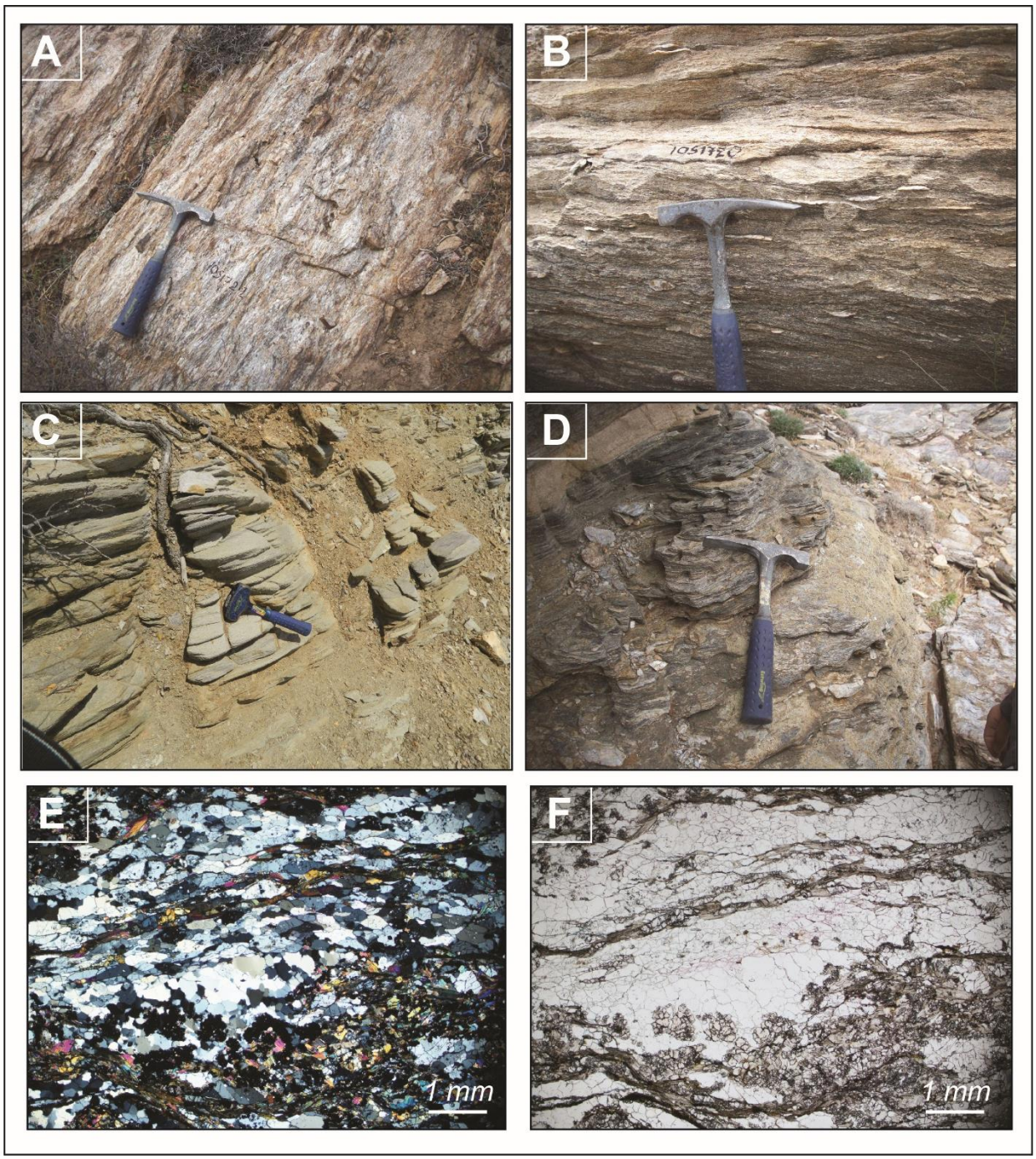

Figure 9.

Figure 9, con't. The lithologically heterogeneous pre- to syn-intrusive metasedimentary units of the Cycladic Basement. A. Garnet mica schist (IOS1722; 36°39'4.71"N, 25°21'43.34"E). B. Metaconglomerates also contain garnet but exhibit impressive quartz pebbles elongated into the stretching lineation (IOS1720; 36°38'48.35"N, 25°21'28.80"E). C. Albite-bearing quartz mica schists contain unique black albite and are found in the southern and north-central parts of Ios, near the contact with the overlying CBU (east of Magganari Beach, IOS1704; 36°40'17.72"N, 25°23'20.64"E). D. Quartz mica schists are typically dark blue-gray in southern Ios and pink/tan in northern Ios, but the composition is the same (IOS1701; 36°39'45.87"N, 25°23'11.06"E). E. Photomicrograph in cross-polarized light of garnet mica schist IOS1658 from a metasedimentary lens in western Ios (36° 42.023' N, 25° 18.680' E) showing alternating bands of recrystallized quartz and white micas. Garnet (40-60 μm) tends to grow in clusters in mica-rich bands. F. Same thin section as E, plane-polarized light.

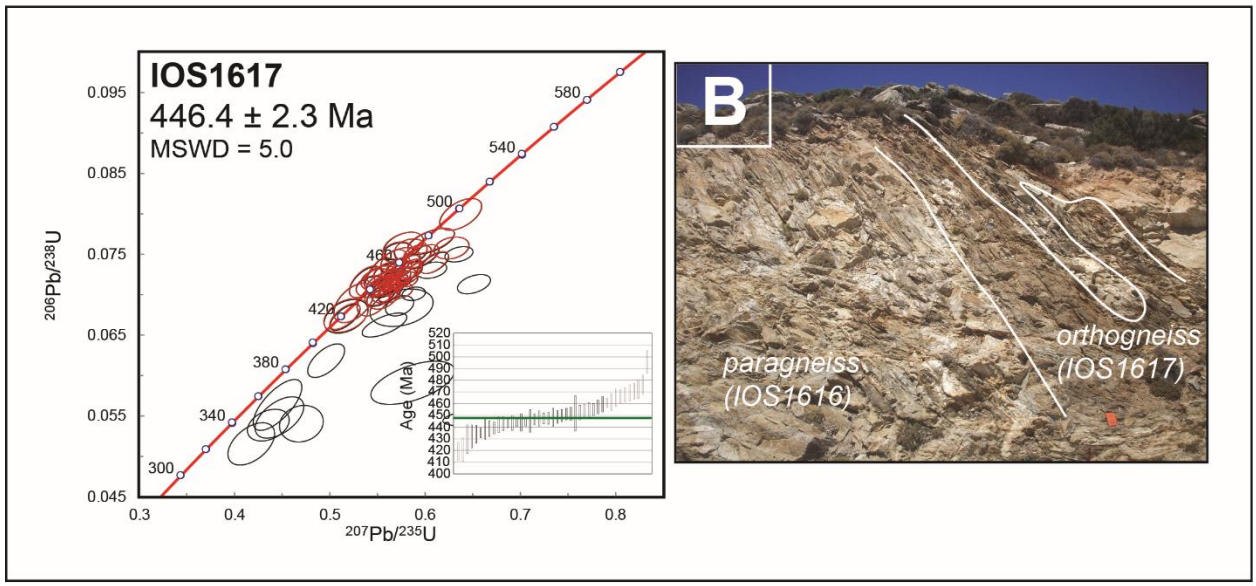

Figure 10. Wetherill concordia diagram and stack plot of IOS1617, an orthogneiss folded within the pre-intrusive metasedimentary package. Error ellipses and bars are 2σ uncertainties. Age is the weighted mean, represented by green horizontal line on stack plot. Red ellipses are ages with <5% discordance and black ellipses are ages with >5% discordance. B. Annotated photo of the outcrop with orange field notebook for scale (lower right corner).

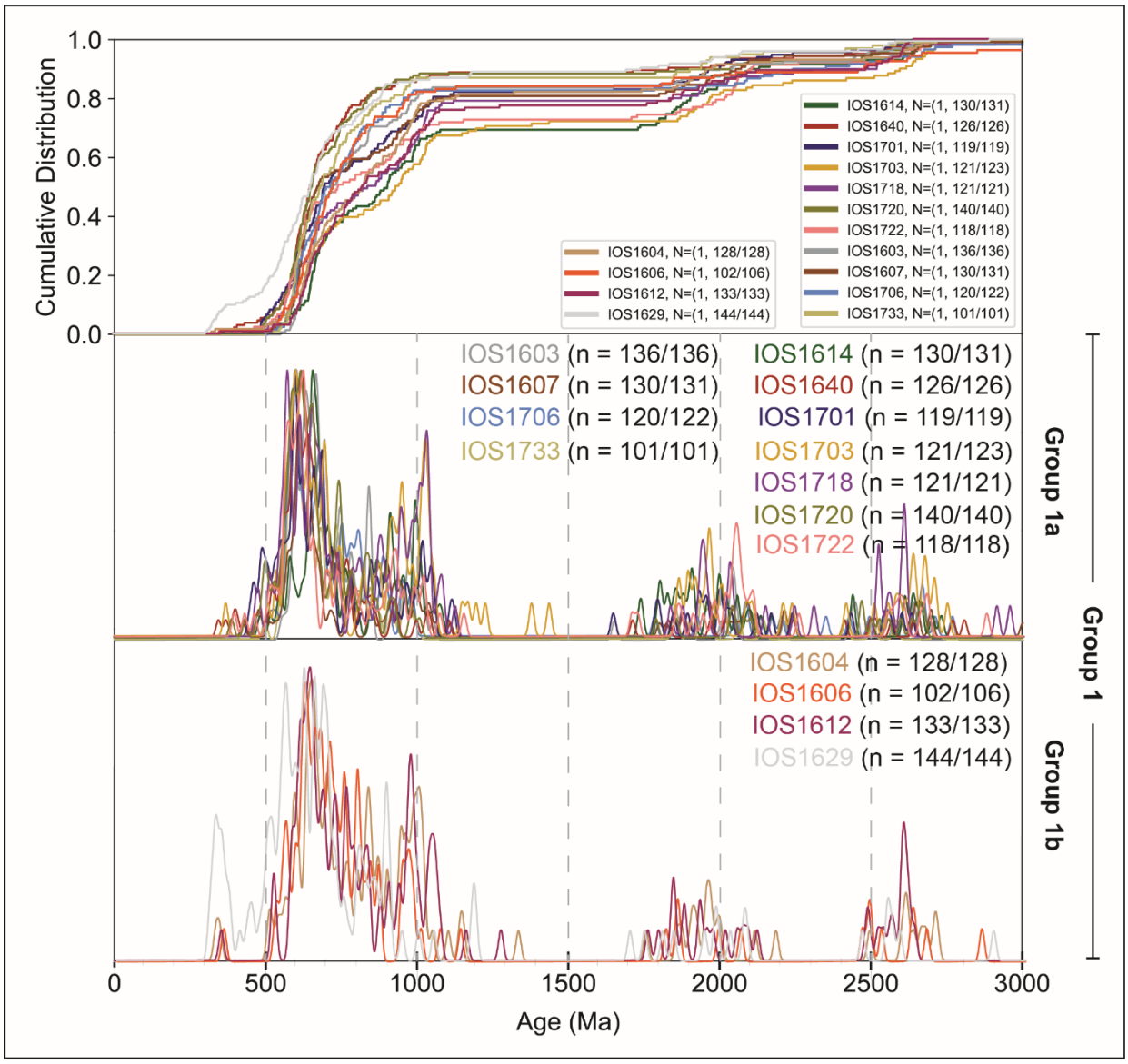

Figure 11. Kernal density estimate (KDE) plots displaying the DZ ages for pre-intrusive metasedimentary *Group 1*. Individual samples are stacked on top of one another. Summation KDE for the entire Group shown in Figure 16.

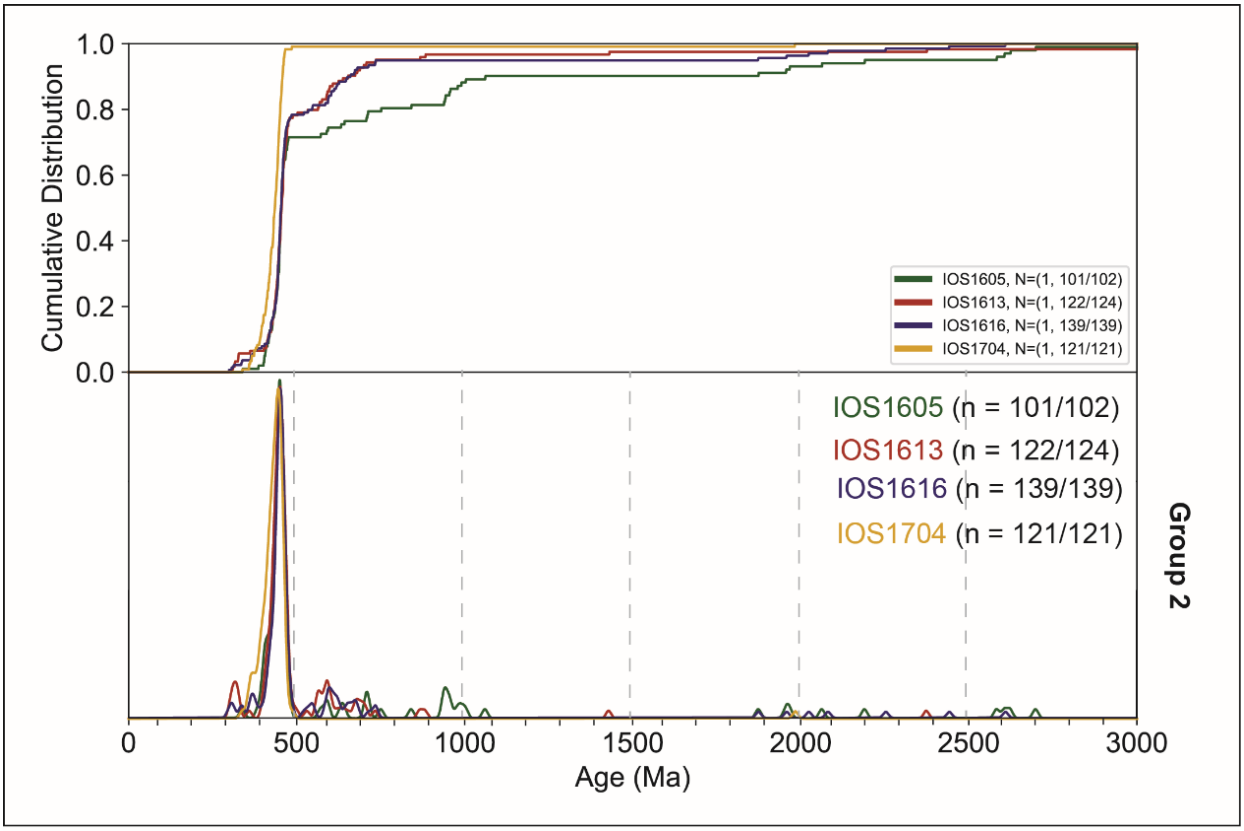

Figure 12. Kernal density estimate (KDE) plots displaying the DZ ages for pre-intrusive metasedimentary *Group 2*. Individual samples are stacked on top of one another. Summation KDE for the entire Group shown in Figure 16.

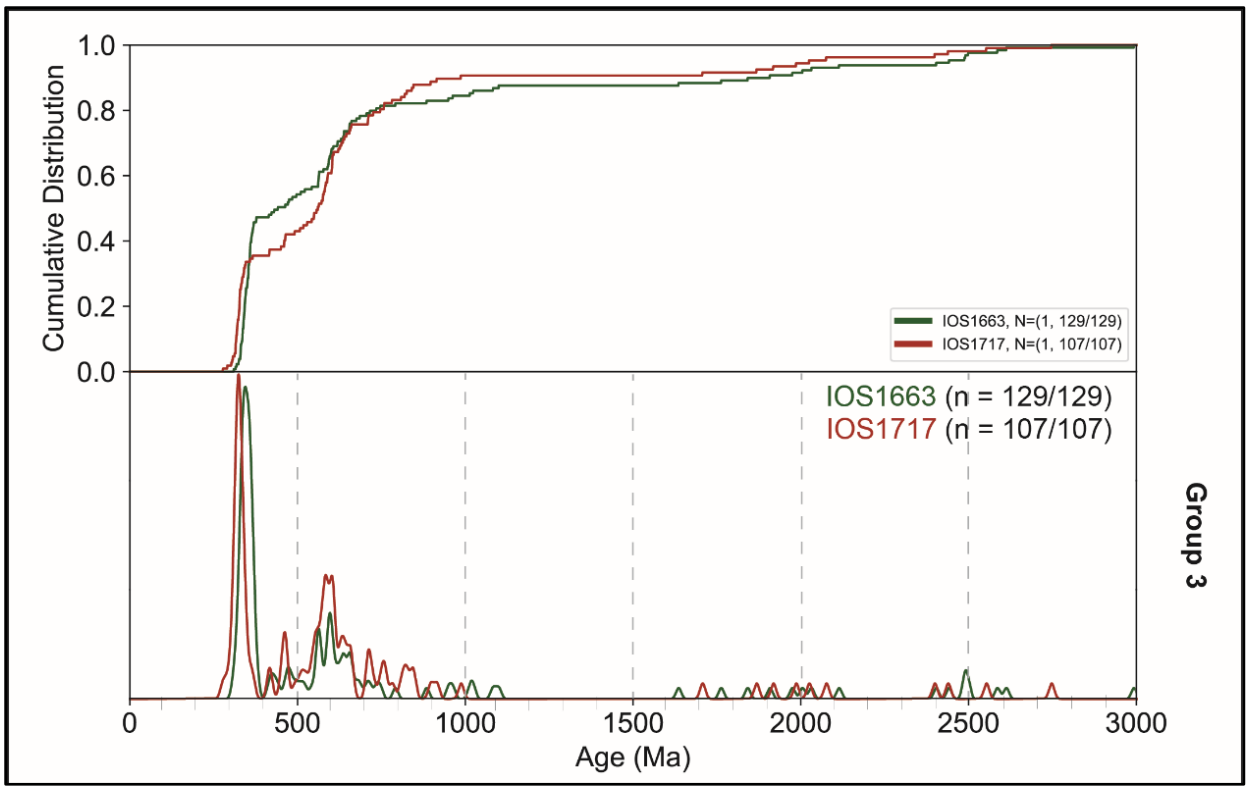

Figure 13. Kernal density estimate (KDE) plots displaying the DZ ages for pre- to syn-intrusive metasedimentary *Group 3*. Individual samples are stacked on top of one another. Summation KDE for the entire Group shown in Figure 16.

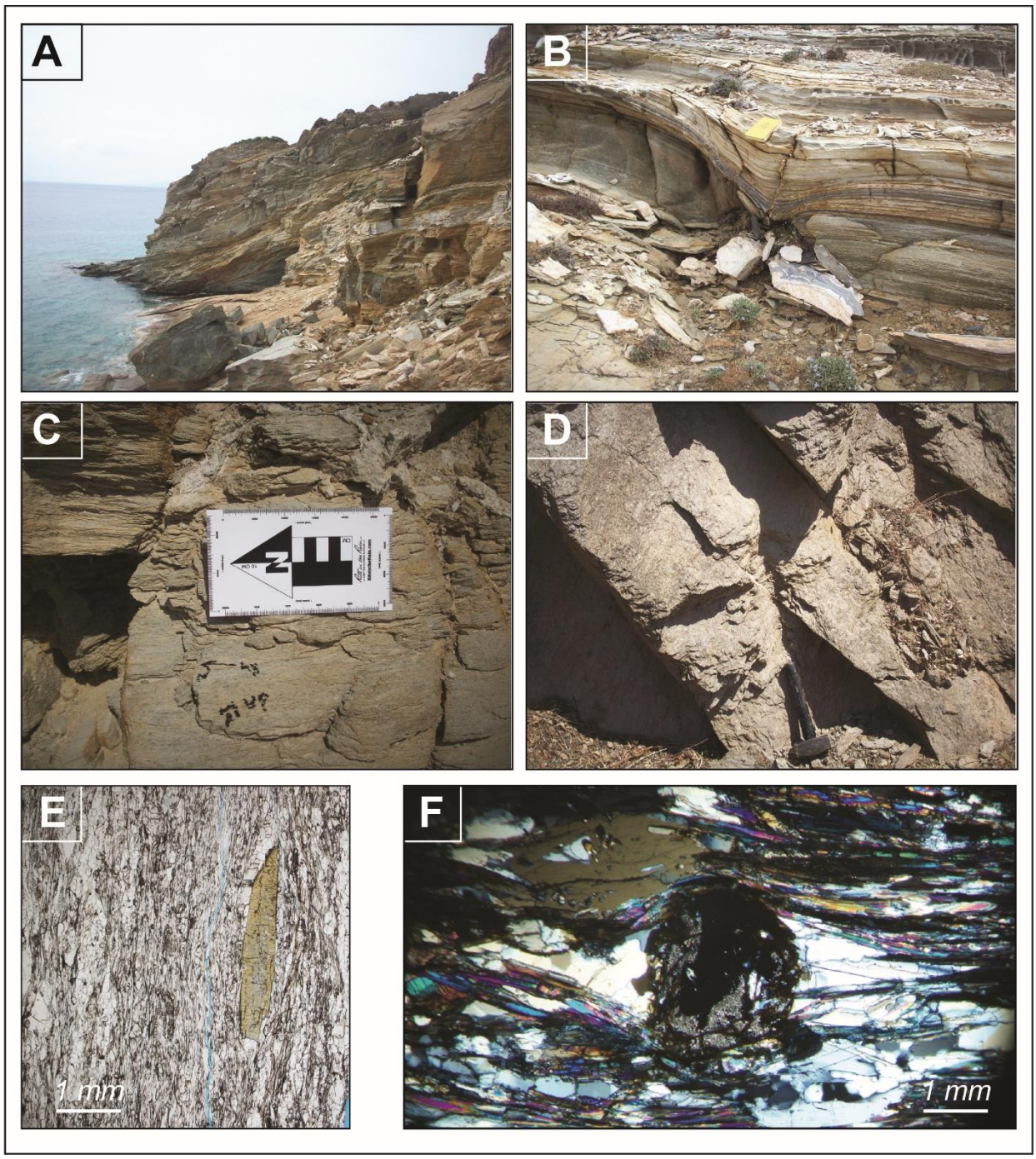

Figure 14. Lithologies of post-intrusive metasedimentary rocks. A. Sedimentary package west of Magganari Beach in south Ios. B. Tourmaline-bearing quartz mica schists 100 m north of the end of the western Magganari peninsula. C. Albite-bearing quartz mica schist IOS1716 (36°45'26.07"N, 25°17'22.42"E) in north-central Ios just south of the overlying CBU contact. D. Garnet mica schist IOS1627 in north-central Ios (36° 44.485' N, 25° 17.796' E). E. Photomicrograph in plane-polarized light of IOS1665M (36° 38.635' N, 25° 21.341' E) displaying a characteristic tourmaline needle. F. Photomicrograph in cross-polarized light of IOS1664M (36° 38.774' N, 25° 21.472' E) with rotated garnet porphyroblast.

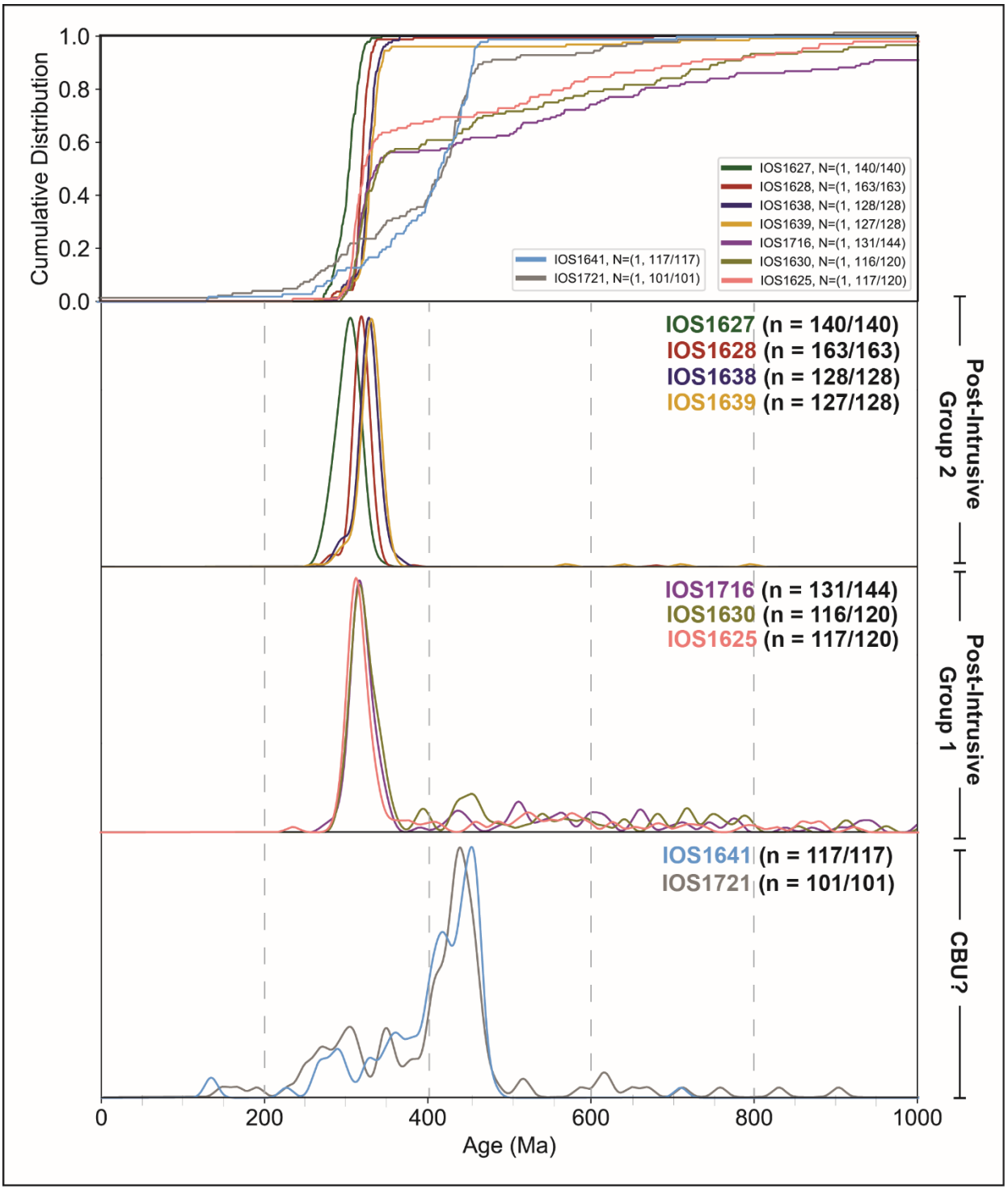

Figure 15. Kernal density estimate (KDE) plots displaying the DZ ages for post-intrusive metasedimentary rocks near Magganari and in north-central Ios. Bottom KDEs are for metasedimentary rocks (presumably CBU) at western Magganari with Mesozoic age modes. Individual samples are stacked on top of one another. Note: x-axis extends only to 1000 Ma. Summation KDE for the entire Group shown in Figure 16.

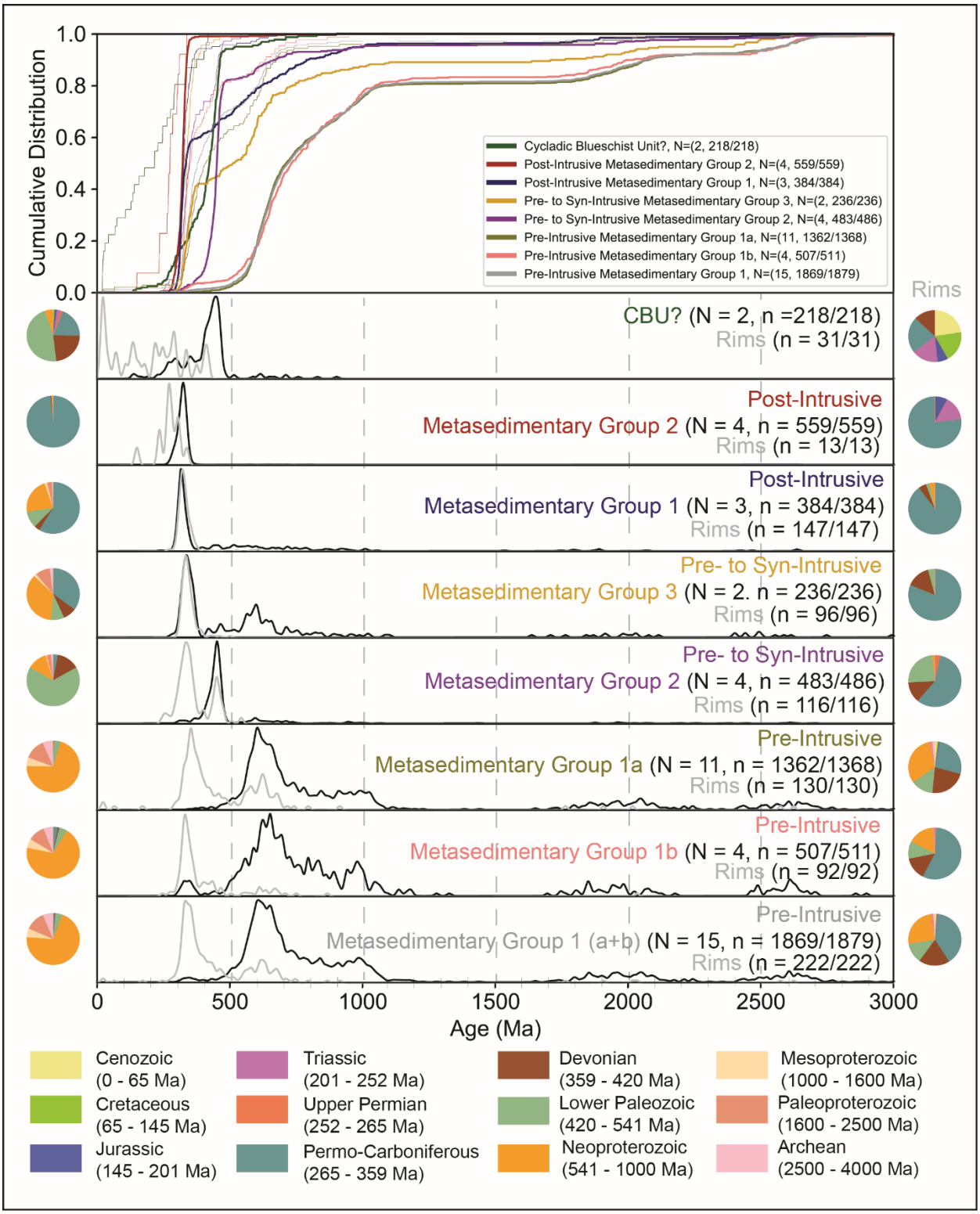

Figure 16. Summation KDEs of each metasedimentary group or unit. The gray KDE is the summation of rim-ages of each group or unit. Gray lines are KDEs for overgrowth ages (rims).

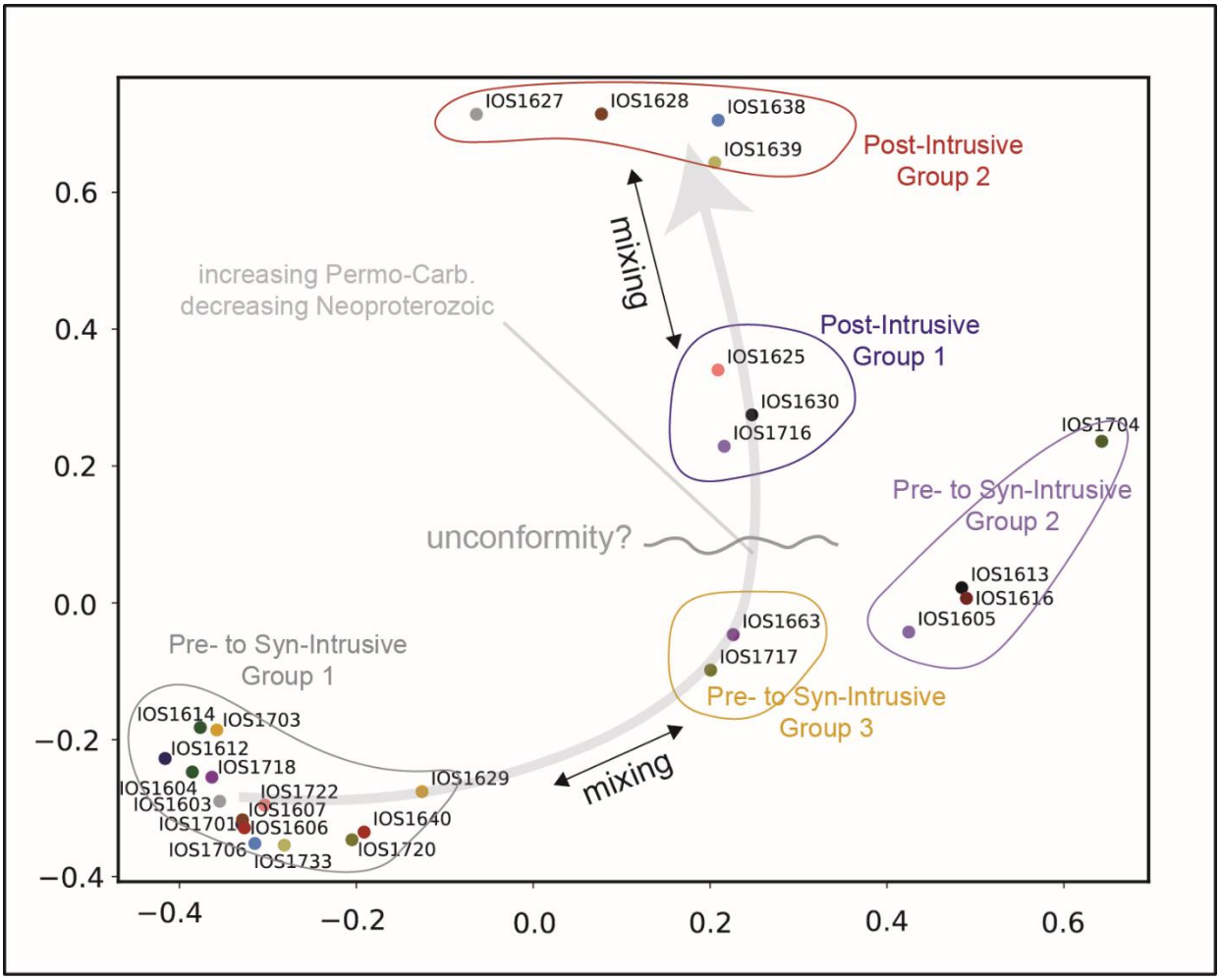

Figure 17. Multi-dimensional scaling plot comparing detrital zircon U-Pb ages (signatures) amongst samples. Samples which plot closer together have similar DZ age signatures. The axes are unitless but are a measure of "likeness". The groups previously described by KDE are confirmed with multi-dimensional statistics, confirming the provenance-based subdivisions used in the **Results** and **Discussion**.

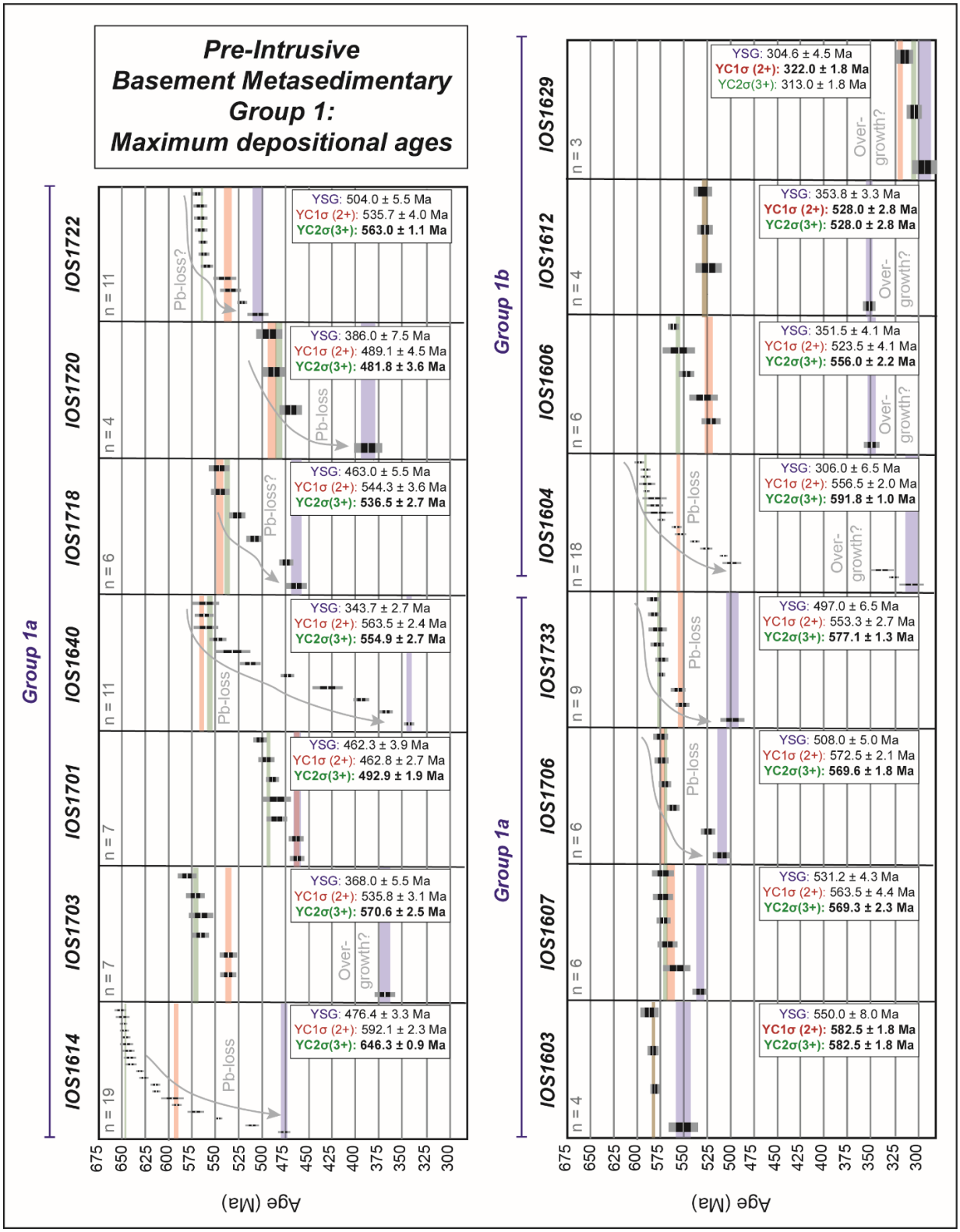

Figure 18. Maximum depositional age stack plots for pre-intrusive metasedimentary *Group 1*. Bold ages are the most geologically reasonable. Ages are reported as ± 1σ. On individual ages, black error bars are 1σ and gray error bars are 2σ. Colored bars correspond to different age calculation methods with a thickness that corresponds to the ± 1σ error.

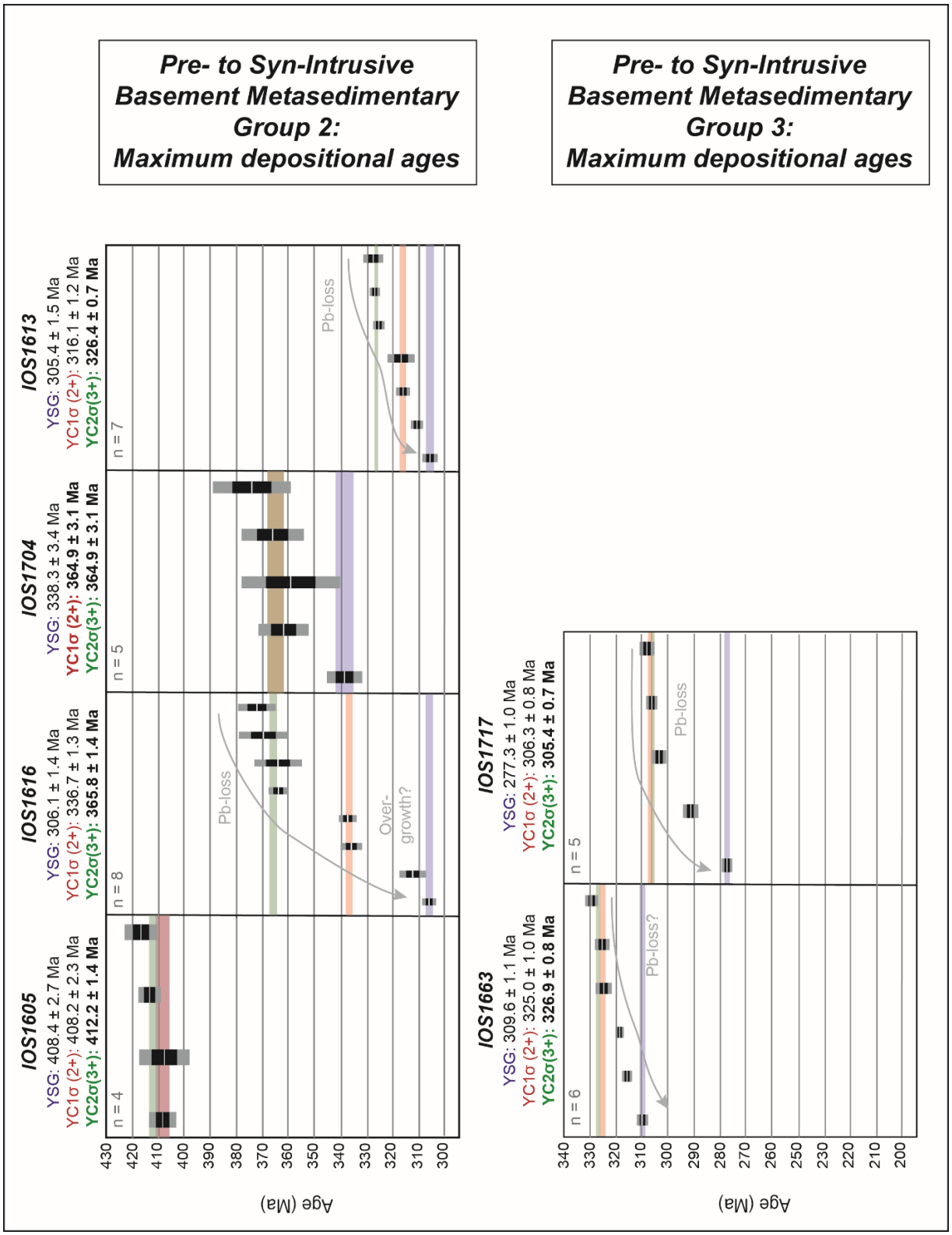

Figure 19. Maximum depositional age stack plots for pre- to syn-intrusive metasedimentary *Group 2* and *Group 3*. Bold ages are the most geologically reasonable. Ages are reported as ± 1σ. On individual ages, black error bars are 1σ and gray error bars are 2σ. Colored bars correspond to different age calculation methods with a thickness that corresponds to the ± 1σ error.

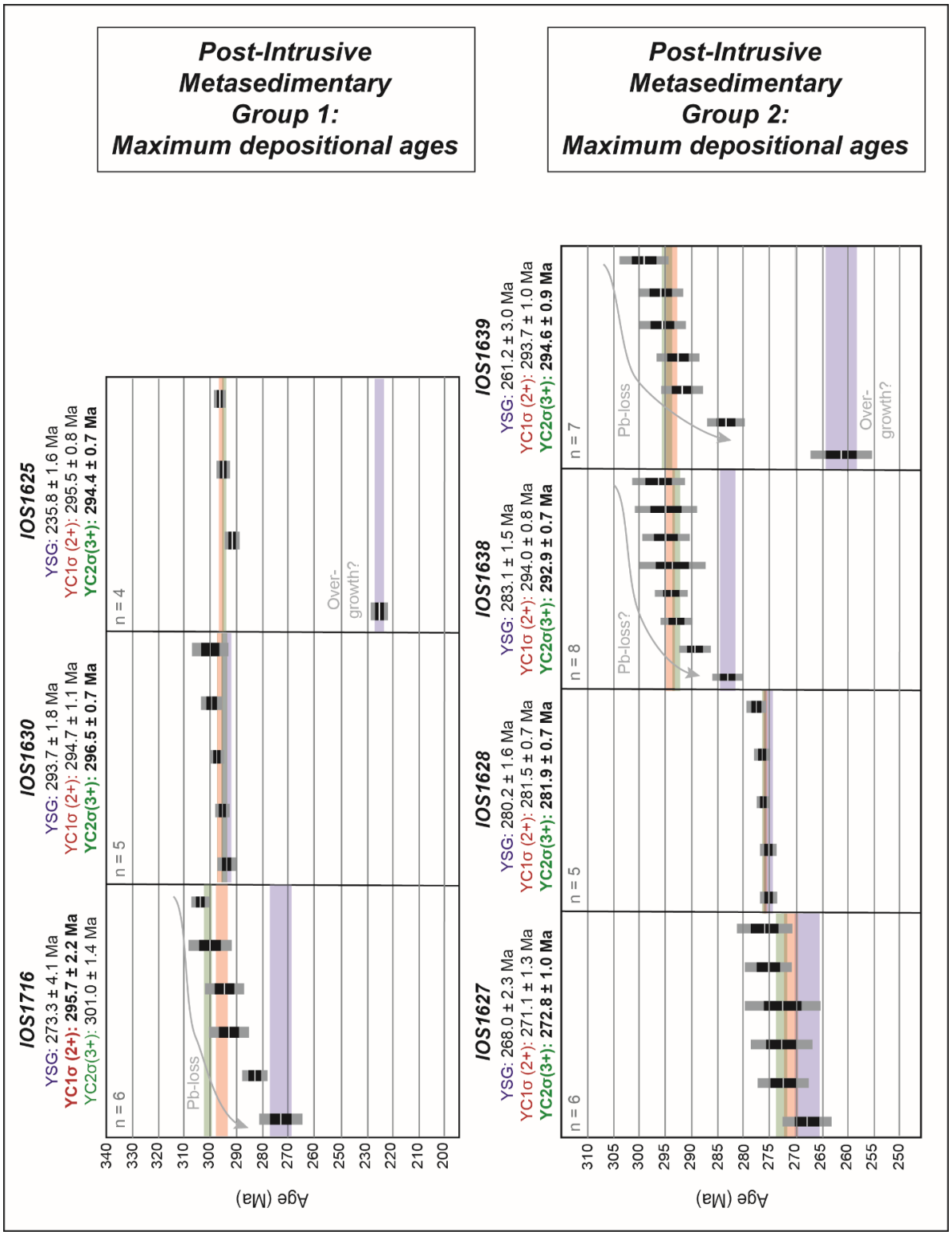

Figure 20. Maximum depositional age stack plots for post-intrusive metasedimentary rocks. Bold ages are the most geologically reasonable. Ages are reported as ± 1σ. On individual ages, black error bars are 1σ and gray error bars are 2σ. Colored bars correspond to different age calculation methods with a thickness that corresponds to the ± 1σ error.

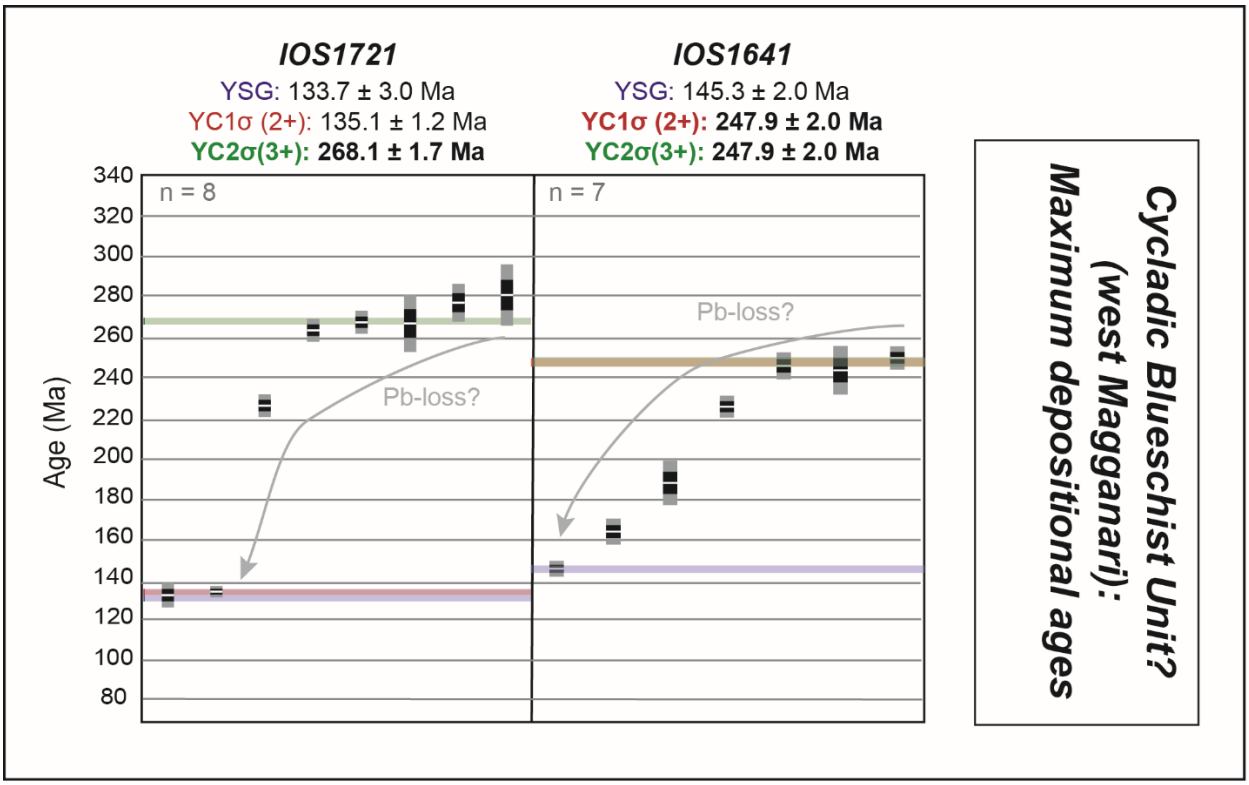

Figure 21. Maximum depositional age stack plots for CBU-type metasedimentary samples from west of Magganari Beach. Bold ages are the most geologically reasonable. Ages are reported as ± 1σ. On individual ages, black error bars are 1σ and gray error bars are 2σ. Colored bars correspond to different age calculation methods with a thickness that corresponds to the ± 1σ error.

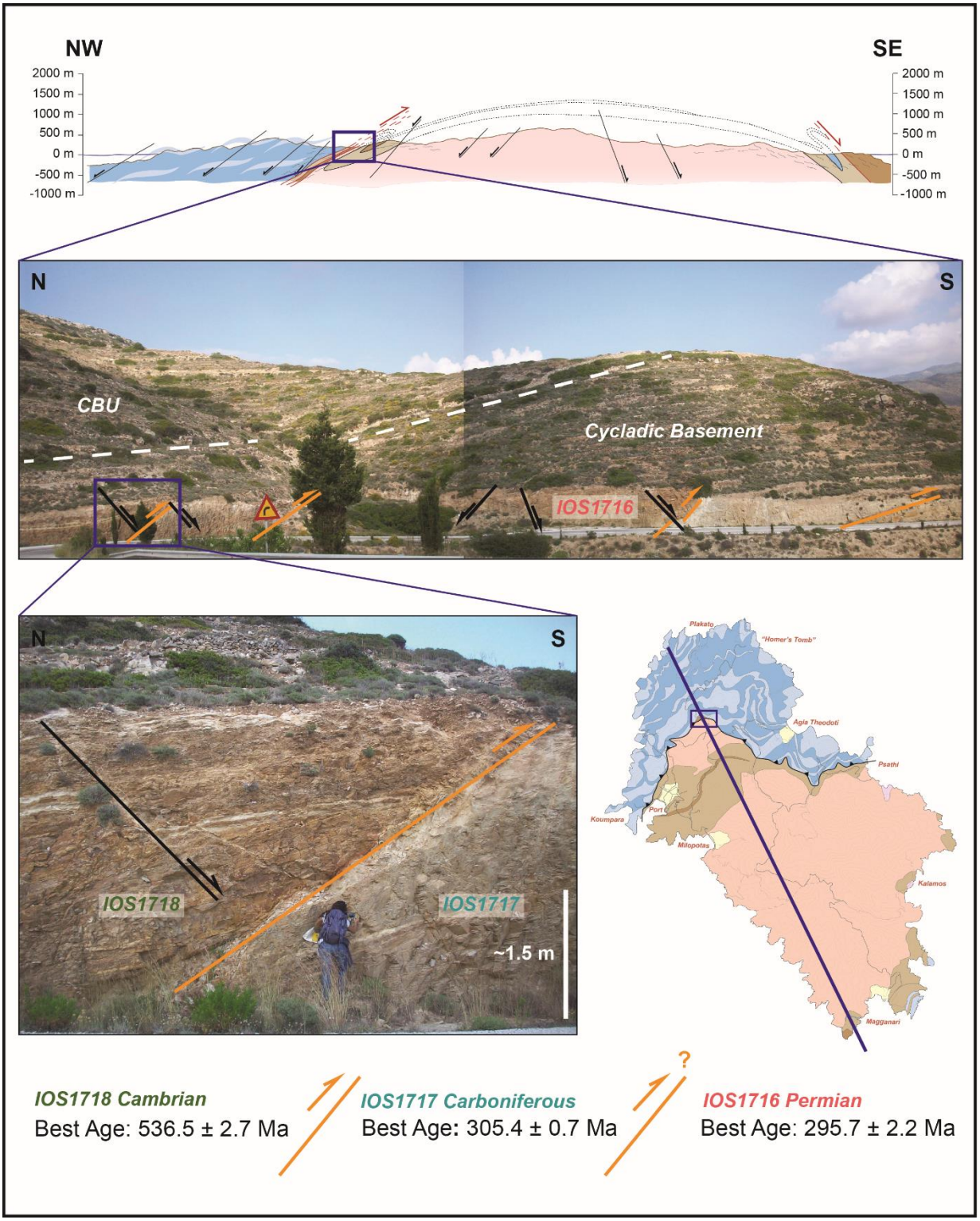

Figure 22. Pervasive faulting is easily discernable in road-cuts. The northern contact between the CBU and the CB is characterized by south-directed reverse faults cross-cut by north- and south-directed normal faults. While movement indicators are often enigmatic in the field, MDA calculations place age constraints on each fault block. Cross-section adapted from Huet et al. (2009).

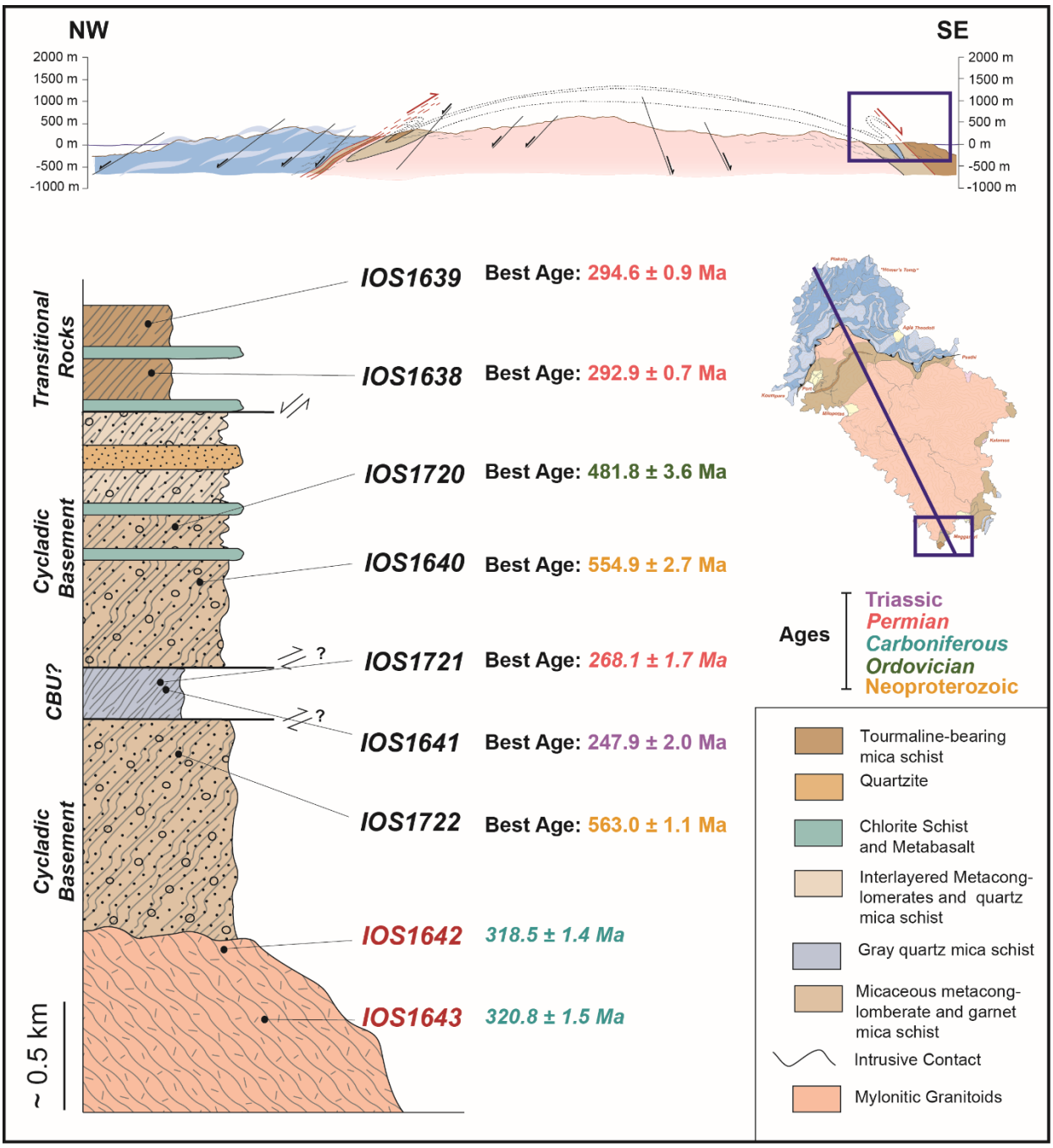

Figure 23. The stratigraphy to the west of Magganari Beach is structurally re-ordered, as seen from MDA calculations, as well as observable folds and faults in the field. Cross-section adapted from Huet et al. (2009).

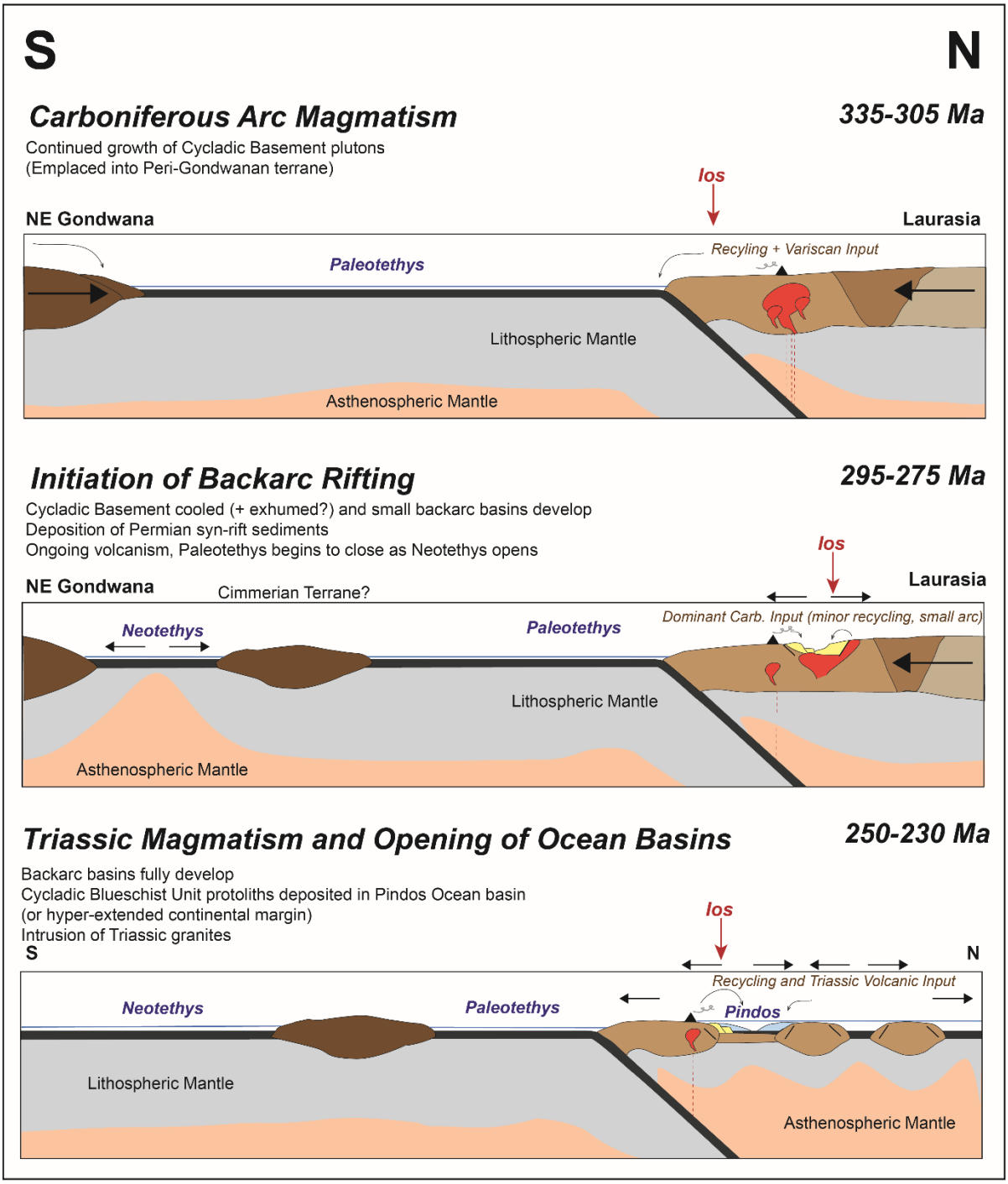

Figure 24. End Paleozoic to Early Mesozoic tectonic evolution of the southern Cyclades. The Carboniferous was characterized by the emplacement of a magmatic arc into a Peri-Gondwanan metasedimentary terrane accreted to the southern margin of Laurasia earlier in the Paleozoic. By the Permian, subduction began to retreat to the south and the crystalline rocks were rapidly exhumed, exposing them at the surface to be eroded into post-intrusive syn-rift basins. Felsic magmatism associated with rifting of the continental margin and opening of back-arc basins occurred in the Triassic, alongside earliest CBU deposition.

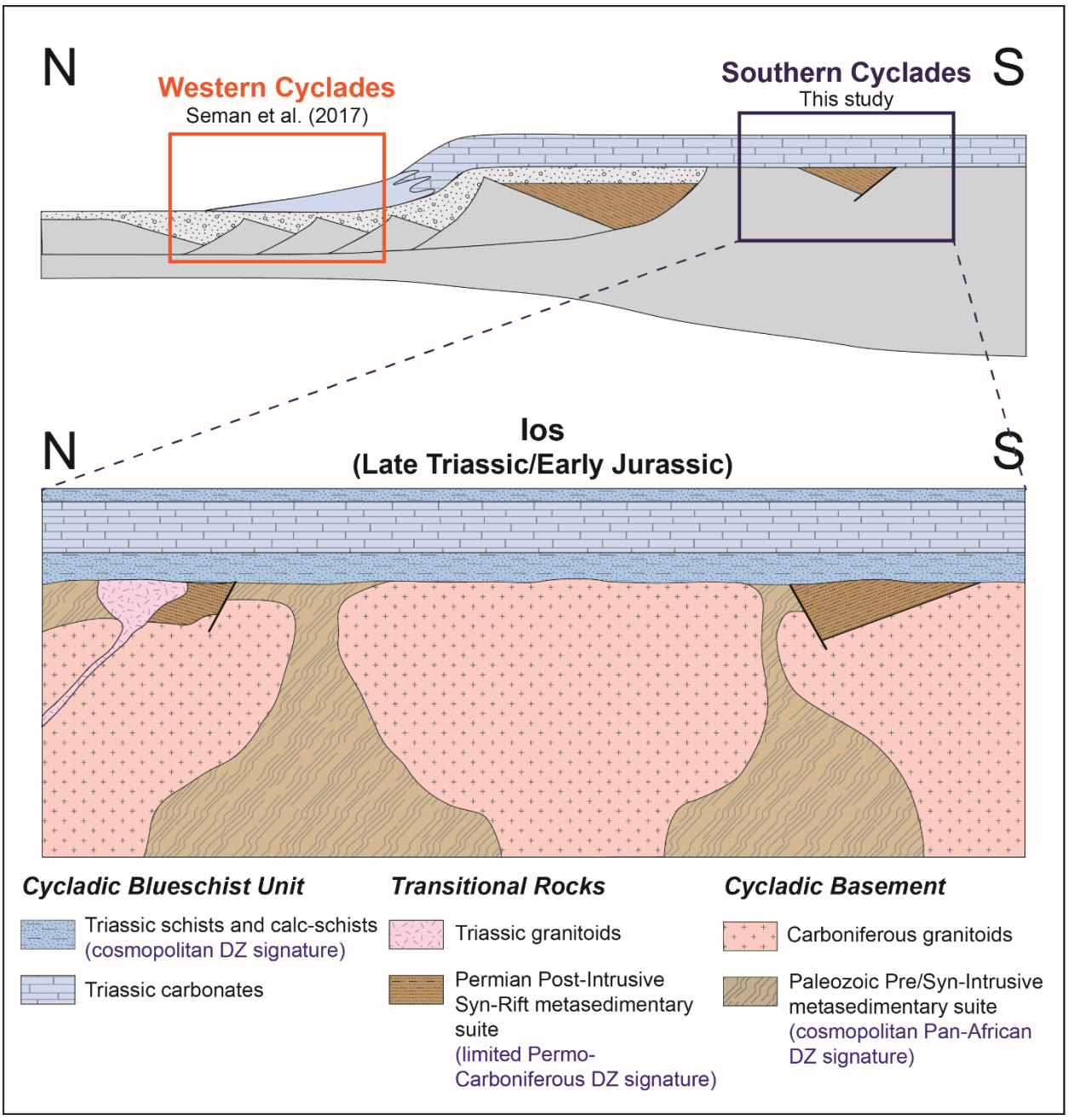

Figure 25. The tectonic setting of Ios by the Late Triassic. The CB rocks, including Neoproterozoic-Paleozoic Peri-Gondwanan metasedimentary lithologies and the Carboniferous felsic intrusive rocks, had already rifted along an extending continental margin. After a brief period of syn-rift sedimentation in the early Permian and a pulse of Triassic felsic magmatism associated with Permo-Triassic rifting, the CBU was deposited as a passive margin sequence throughout the rest of the Mesozoic.

APPENDIX A

Determining Crystallization Age

The discussion of magmatic zircon U-Pb distributions reports bulk sample crystallization ages as the *weighted mean of the largest cluster of zircon ages* with 95% (2σ error) confidence intervals (2σ error). To exclude ages resulting from Pb-loss or cryptic inheritance, the largest cluster of coeval zircons was determined via Monte Carlo simulation with the TuffZirc algorithm (Ludwig, 1998; Ludwig & Mundil, 2002) and only the grains from this plateau were used to calculate a weighted mean (with outlier rejection) within Isoplot 4.15 in Microsoft Excel. For both methods, obvious inherited zircon cores and metamorphic rims are excluded from the calculation while contemporaneous magmatic overgrowth ages are included.

Determining Maximum Depositional Age

With a 206/238 vs. 207/235 discordance filter of 10%, we typically calculate *maximum depositional age* (MDA) as the mean age of the youngest three or more grains that are within 2σ uncertainty (YC2σ (3+) ± 1σ; Dickinson and Gehrels, 2009) within an age distribution and report the MDA with 1σ uncertainty. In some cases, the youngest single grain (YSG (1 σ)) method is viable, since there are numerous single-age grains which fall between the YSG and the YC1σ (2+) ages, but we generally choose the more conservative, older ages. Ages from all three MDA methods are reported and were calculated with the use of the detritalPy script (Sharman et al., 2018), but we discuss our results with the conservative YC2σ(3+) method. Detrital zircon results are shown on kernel density estimation (KDE) plots but were also plotted alongside age proportion pie diagrams with the use of detritalPy. Age proportion bar graphs were also created with detritalPy.

APPENDIX B

Table A1. Sample Locations and Rock Type. Unit and IGSN identifier are also included.

SAMPLE	LATITUDE	LONGITUDE	GEOLOGICAL UNIT	ROCK TYPE	IGSN
15IOS12	36° 40.019' N	25° 22.735' E	Cycladic Basement	Equigranular Granite	
IOS1603	36° 39.194' N	25° 22.957' E	Cycladic Basement	Garnet Mica Schist	IEJSG1374
IOS1604	36° 39.628' N	25° 23.173' E	Cycladic Basement	Quartz Mica Schist	IEJSG1375
IOS1605	36° 39.726' N	25° 22.858' E	Cycladic Basement	Quartz Chlorite Schist	IEJSG1376
IOS1606	36° 39.452' N	25° 22.626' E	Cycladic Basement	Quartz Mica Schist	IEJSG1377
IOS1607	36° 40.058' N	25° 22.627' E	Cycladic Basement	Garnet Mica Schist	IEJSG1378
IOS1608	36° 40.278' N	25° 21.883' E	Cycladic Basement	Equigranular Granite	IEJSG1379
IOS1612	36° 44.461' N	25° 18.798' E	Cycladic Basement	Garnet Mica Schist	IEJSG1383
IOS1613	36° 44.261' N	25° 21.457' E	Cycladic Basement	Quartz Mica Schist	IEJSG1384
IOS1614	36° 44.274' N	25° 20.878' E	Cycladic Basement	Garnet Mica Schist	IEJSG1385
IOS1616	36° 43.984' N	25° 20.394' E	Cycladic Basement	Quartz Mica Schist	IEJSG1387
IOS1617	36° 43.984' N	25° 20.394' E	Cycladic Basement	Orthogneiss	IEJSG1388
IOS1625	36° 43.668' N	25° 16.184' E	Transitional Rocks	Quartz Mica Schist	IEJSG1396
IOS1627	36° 44.485' N	25° 17.796' E	Transitional Rocks	Garnet Mica Schist	IEJSG1398
IOS1628	36° 43.807' N	25° 17.330' E	Transitional Rocks	Garnet Mica Schist	IEJSG1399
IOS1629	36° 43.070' N	25° 17.417' E	Cycladic Basement	Quartz Mica Schist	IEJSG1400
IOS1630	36° 43.348' N	25° 16.555' E	Cycladic Basement	Quartz Mica Schist	IEJSG1401
IOS1631	36° 43.951' N	25° 22.336' E	Triassic Granitoids	Biotite-Bearing Granitoid	IEJSG1402
IOS1632	36° 43.723' N	25° 22.301' E	Triassic Granitoids	Biotite-Bearing Granitoid	IEJSG1403
IOS1633	36° 43.982' N	25° 21.623' E	Cycladic Basement	Equigranular Granite	IEJSG1404
IOS1634M	36° 43.550' N	25° 19.772' E	Cycladic Basement	Porphyritic Granite	IEJSG1405
IOS1635	36° 43.564' N	25° 19.792' E	Cycladic Basement	Porphyritic Granite	IEJSG1406
IOS1636	36° 43.796' N	25° 19.087' E	Cycladic Basement	Porphyritic Granite	IEJSG1407
IOS1637	36° 44.217' N	25° 16.454' E	Cycladic Basement	Equigranular Granite	IEJSG1408
IOS1638	36° 38.735' N	25° 21.426' E	Transitional Rocks	Tourmaline Mica Schist	IEJSG1409
IOS1639	36° 38.612' N	25° 21.325' E	Transitional Rocks	Tourmaline Mica Schist	IEJSG1410

Table A1, con't.

IOS1640	36° 38.888' N	25° 21.541' E	Cycladic Basement	Garnet Mica Schist	IEJSG1411
IOS1641	36° 39.028' N	25° 21.622' E	Cycladic Blueschist Unit?	Light Gray Quartz Mica Schist	IEJSG1412
IOS1642	36° 39.307' N	25° 21.844' E	Cycladic Basement	Equigranular Granite	IEJSG1413
IOS1643	36° 39.551' N	25° 21.973' E	Cycladic Basement	Porphyritic Chlorite-Bearing Granite	IEJSG1414
IOS1644	36° 40.238' N	25° 22.573' E	Cycladic Basement	Equigranular Granite	IEJSG1415
IOS1645	36° 40.973' N	25° 21.533' E	Cycladic Basement	Granodiorite	IEJSG1416
IOS1646	36° 42.711' N	25° 22.836' E	Cycladic Basement	Porphyritic Chlorite-Bearing Granite	IEJSG1417
IOS1647	36° 41.923' N	25° 22.930' E	Triassic Granitoids	Biotite-Bearing Granitoid	IEJSG1418
IOS1648	36° 41.188' N	25° 22.341' E	Cycladic Basement	Equigranular Granite	IEJSG1419
IOS1649	36° 41.389' N	25° 21.638' E	Cycladic Basement	Porphyritic Granite	IEJSG1420
IOS1650	36° 41.786' N	25° 20.878' E	Cycladic Basement	Porphyritic Granite	IEJSG1421
IOS1651	36° 41.971' N	25° 19.799' E	Cycladic Basement	Equigranular Granite	IEJSG1422
IOS1652	36° 42.126' N	25° 18.879' E	Cycladic Basement	Porphyritic Chlorite-Bearing Granite	IEJSG1423
IOS1654	36° 43.338' N	25° 19.296' E	Cycladic Basement	Equigranular Granite	IEJSG1425
IOS1655	36° 44.983' N	25° 17.257' E	Cycladic Basement	Granodiorite	IEJSG1426
IOS1656	36° 42.239' N	25° 18.034' E	Cycladic Basement	Porphyritic Chlorite-Bearing Granite	IEJSG1427
IOS1657	36° 42.092' N	25° 18.604' E	Cycladic Basement	Porphyritic Chlorite-Bearing Granite	IEJSG1428
IOS1658M	36° 42.023' N	25° 18.680' E	Cycladic Basement	Garnet Mica Schist	IEJSG1429
IOS1659	36° 41.607' N	25° 19.277' E	Cycladic Basement	Porphyritic/Pegmatitic Granite	IEJSG1430
IOS1660	36° 41.850' N	25° 18.479' E	Cycladic Basement	Granodiorite	IEJSG1431
IOS1662	36° 42.903' N	25° 18.751' E	Cycladic Basement	Granodiorite	IEJSG1433
IOS1663	36° 43.769' N	25° 16.132' E	Cycladic Basement	Quartz Mica Schist	IEJSG1434
IOS1664M	36° 38.774' N	25° 21.472' E	Transitional Rocks	Tourmaline Mica Schist	IEJSG1435
IOS1665M	36° 38.635' N	25° 21.341' E	Transitional Rocks	Tourmaline Mica Schist	IEJSG1436
IOS1667	36° 40.460' N	25° 21.571' E	Cycladic Basement	Equigranular Granite	IEJSG1438
IOS1668	36° 41.387' N	25° 20.581' E	Cycladic Basement	Equigranular Granite	IEJSG1439

Table A1, con't.

IOS1669	36° 42.944' N	25° 20.497' E	Cycladic Basement	Porphyritic Chlorite-Bearing Granite	IEJSG1440
IOS1701	36° 39.7645'	25° 23.1843'	Cycladic Basement	Quartz Mica Schist	IEJSG3449
IOS1703	36° 39.9115'	25° 23.0496'	Cycladic Basement	Garnet Mica Schist	IEJSG3451
IOS1704	36° 40.2953'	25° 23.344'	Cycladic Basement	Albite-Bearing Quartz Mica Schist	IEJSG3452
IOS1706	36° 40.3668'	25° 23.2118'	Cycladic Basement	Albite-Bearing Quartz Mica Schist	IEJSG3454
IOS1710	36° 44.9266'	25° 16.5915'	Cycladic Basement	Granodiorite	IEJSG3476
IOS1716	36° 45.4345'	25° 17.3736'	Transitional Rocks	Albite-Bearing Quartz Mica Schist	IEJSG3482
IOS1717	36° 45.4681'	25° 17.3573'	Cycladic Basement	Quartz Mica Schist	IEJSG3483
IOS1718	36° 45.4681'	25° 17.3573'	Cycladic Basement	Albite-Bearing Quartz Mica Schist	IEJSG3484
IOS1720	36° 38.8058'	25° 21.48'	Cycladic Basement	Garnet Mica Schist	IEJSG3486
IOS1721	36° 39.0226'	25° 21.6506'	Cycladic Blueschist Unit?	Light Gray Quartz Mica Schist	IEJSG3487
IOS1722	36° 39.0785'	25° 21.7223'	Cycladic Basement	Garnet Mica Schist	IEJSG3488
IOS1731	36° 42.4803'	25° 17.8775'	Cycladic Basement	Aplite Dike	IEJSG3497
IOS1733	36° 43.351'	25° 15.8326'	Cycladic Basement	Quartz Mica Schist	IEJSG3499

APPENDIX C

Table A2. Zircon U-Pb Analyses and Ages from Crystalline Rocks. Best Age is filtered for <5% discordance.

SAMPLE NAME: 15IOS12																
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
15IOS12_1	379	2.67	0.38270	0.00730	0.05222	0.00048	0.30341	329.2	5.5	328.1	2.9	332	40	328.1	2.9	0.3	Single Age
15IOS12_2	111	2.71	0.36100	0.02100	0.05249	0.00097	0.31143	311.0	16.0	329.8	5.9	200	110	DISC	DISC	6.0	Single Age
15IOS12_3	673	2.49	0.38180	0.00540	0.05164	0.00044	0.19270	328.1	4.0	324.5	2.7	341	35	324.5	2.7	1.1	Single Age
15IOS12_4	1097	4.72	0.38400	0.01100	0.05240	0.00120	0.57660	329.1	8.1	329.2	7.5	311	56	329.2	7.5	0.0	Single Age
15IOS12_5	671	3.98	0.37900	0.00560	0.05204	0.00051	0.39038	326.0	4.1	327.0	3.1	305	31	327.0	3.1	0.3	Single Age
15IOS12_6	516	4.05	0.38340	0.00750	0.05240	0.00071	0.38244	329.2	5.5	329.2	4.3	321	42	329.2	4.3	0.0	Single Age
15IOS12_7	550	2.59	0.44000	0.01300	0.05244	0.00077	0.33865	371.2	9.8	329.5	4.7	629	67	DISC	DISC	11.2	Single Age
15IOS12_8	686	5.15	0.39600	0.01900	0.05240	0.00190	0.55589	338.0	14.0	329.0	11.0	393	88	329.0	11.0	2.7	Rim
15IOS12_8	151.5	19.00	0.76200	0.04100	0.09170	0.00190	0.42380	573.0	23.0	565.0	12.0	590	100	565.0	12.0	1.4	Core
15IOS12_9	296.2	2.94	0.38110	0.00840	0.05134	0.00042	0.13775	327.2	6.1	322.7	2.6	342	48	322.7	2.6	1.4	Single Age
15IOS12_10	473	2.13	0.52700	0.03600	0.05262	0.00058	0.56526	420.0	23.0	330.6	3.5	820	110	DISC	DISC	21.3	Single Age
15IOS12_11	509	3.11	0.37930	0.00710	0.05221	0.00067	0.51105	326.1	5.2	328.0	4.1	307	39	328.0	4.1	0.6	Single Age
15IOS12_12	560	2.46	0.38310	0.00580	0.05268	0.00047	0.38551	329.0	4.2	330.9	2.9	311	33	330.9	2.9	0.6	Single Age
15IOS12_13	572	2.17	0.36450	0.00720	0.04844	0.00056	0.42032	315.2	5.3	304.9	3.4	393	39	304.9	3.4	3.3	Single Age
15IOS12_14	1060	6.36	0.38560	0.00590	0.05221	0.00059	0.62188	330.9	4.3	328.1	3.6	333	30	328.1	3.6	0.8	Rim
15IOS12_14	476	2.50	0.47400	0.01600	0.06320	0.00180	0.54498	393.0	11.0	395.0	11.0	385	73	395.0	11.0	0.5	Core
15IOS12_15	562	4.50	0.36990	0.00660	0.05037	0.00049	0.40543	319.2	4.9	316.8	3.0	322	37	316.8	3.0	0.8	Single Age
15IOS12_16	384	2.75	0.37350	0.00720	0.05037	0.00060	0.17404	322.4	5.5	316.8	3.7	349	46	316.8	3.7	1.7	Single Age
15IOS12_17	446	2.40	0.36700	0.00640	0.04962	0.00046	0.23700	317.1	4.7	312.2	2.8	343	39	312.2	2.8	1.5	Single Age
15IOS12_18	355	2.38	0.39610	0.00830	0.05419	0.00048	0.00250	338.3	6.0	340.2	2.9	314	50	340.2	2.9	0.6	Single Age

Table A2, con't.

15IOS12_19	510	6.85	0.38410	0.00770	0.05236	0.00067	0.38765	329.7	5.7	329.0	4.1	318	41	329.0	4.1	0.2	Single Age
15IOS12_20	633	3.92	0.37600	0.01000	0.05200	0.00100	0.51251	323.2	7.7	326.8	6.2	282	54	326.8	6.2	1.1	Single Age
15IOS12_21	264	3.03	0.40980	0.00980	0.05515	0.00066	0.02648	348.0	7.0	346.0	4.0	359	59	346.0	4.0	0.6	Single Age
15IOS12_22	695	2.57	0.39150	0.00840	0.05334	0.00094	0.51347	335.1	6.1	335.0	5.8	332	44	335.0	5.8	0.0	Single Age
15IOS12_23	840	2.86	0.38550	0.00610	0.05336	0.00049	0.37958	330.8	4.5	335.1	3.0	295	34	335.1	3.0	1.3	Single Age
15IOS12_24	446	1.90	0.43200	0.01700	0.05255	0.00051	0.39061	362.0	12.0	330.1	3.1	551	75	DISC	DISC	8.8	Single Age
15IOS12_25	438	4.10	0.39000	0.00740	0.05283	0.00062	0.34955	333.8	5.4	331.9	3.8	338	40	331.9	3.8	0.6	Single Age
15IOS12_26	559	2.17	0.36380	0.00680	0.05016	0.00049	0.34995	314.6	5.1	315.5	3.0	297	39	315.5	3.0	0.3	Single Age
15IOS12_27	528	2.30	0.35410	0.00530	0.04955	0.00053	0.28155	307.5	4.0	311.8	3.2	266	35	311.8	3.2	1.4	Single Age
15IOS12_28	390	2.53	0.39230	0.00950	0.05146	0.00077	0.33666	335.3	6.8	323.4	4.7	401	51	323.4	4.7	3.5	Single Age
15IOS12_29	566	2.00	0.38580	0.00570	0.05248	0.00039	0.22541	331.5	4.2	329.7	2.4	337	33	329.7	2.4	0.5	Single Age
15IOS12_30	572	2.68	0.37500	0.00570	0.05208	0.00044	0.27523	323.0	4.2	327.3	2.7	290	35	327.3	2.7	1.3	Single Age
15IOS12_31	930	3.63	0.40280	0.00960	0.05228	0.00046	0.35400	344.2	7.2	328.5	2.8	449	51	328.5	2.8	4.6	Single Age
15IOS12_32	477	2.60	0.38030	0.00710	0.05197	0.00056	0.47161	326.8	5.2	326.5	3.4	315	37	326.5	3.4	0.1	Single Age
15IOS12_33	371	2.24	0.37940	0.00770	0.05164	0.00051	0.17284	326.1	5.6	324.6	3.1	323	46	324.6	3.1	0.5	Single Age
15IOS12_34	570	2.30	0.39160	0.00880	0.05263	0.00079	0.25789	335.2	6.5	330.6	4.8	345	54	330.6	4.8	1.4	Single Age
15IOS12_35	497	2.33	0.36010	0.00810	0.05072	0.00057	0.25153	311.9	6.1	318.9	3.5	261	50	318.9	3.5	2.2	Single Age
15IOS12_36	743	5.03	0.37100	0.00630	0.05145	0.00042	0.30738	320.0	4.7	323.4	2.6	287	36	323.4	2.6	1.1	Single Age
15IOS12_37	391	3.06	0.36420	0.00730	0.05024	0.00056	0.27262	314.8	5.4	316.0	3.4	288	44	316.0	3.4	0.4	Single Age
15IOS12_38	585	2.77	0.37790	0.00650	0.05144	0.00044	0.57946	325.1	4.8	323.3	2.7	330	34	323.3	2.7	0.6	Single Age
15IOS12_39	384	2.07	0.42040	0.00840	0.05011	0.00067	0.17524	355.8	6.0	315.1	4.1	617	47	DISC	DISC	11.4	Single Age
15IOS12_40	403	3.05	0.39280	0.00780	0.05288	0.00064	0.29285	336.0	5.7	332.2	3.9	350	45	332.2	3.9	1.1	Single Age
15IOS12_41	1330	7.90	0.37990	0.00680	0.05229	0.00067	0.25720	326.5	5.1	328.5	4.1	307	42	328.5	4.1	0.6	Single Age
15IOS12_42	454	2.13	0.37740	0.00720	0.05123	0.00054	0.22145	324.6	5.3	322.1	3.3	333	45	322.1	3.3	0.8	Single Age
15IOS12_43	493	1.86	0.39050	0.00750	0.05270	0.00058	0.23919	334.4	5.5	331.1	3.5	352	46	331.1	3.5	1.0	Single Age

Table A2, con't.

15IOS12_44	334	2.62	0.42800	0.01600	0.05770	0.00110	0.30115	361.0	12.0	361.3	6.9	351	80	361.3	6.9	0.1	Single Age
15IOS12_45	441	2.09	0.38520	0.00950	0.05409	0.00091	0.46307	329.9	6.9	339.5	5.6	260	48	339.5	5.6	2.9	Single Age
15IOS12_46	364	2.06	0.35610	0.00770	0.04901	0.00068	0.34538	308.9	5.8	308.4	4.2	332	48	308.4	4.2	0.2	Single Age
15IOS12_47	622	4.77	0.37690	0.00730	0.05090	0.00081	0.33203	324.2	5.4	320.0	4.9	334	46	320.0	4.9	1.3	Single Age
15IOS12_48	446	2.00	0.37180	0.00710	0.05052	0.00046	0.18493	320.5	5.2	317.7	2.8	327	41	317.7	2.8	0.9	Single Age
15IOS12_49	1080	8.43	0.36900	0.00600	0.05044	0.00048	0.37402	318.6	4.5	317.2	2.9	321	35	317.2	2.9	0.4	Single Age
15IOS12_50	463	1.95	0.36630	0.00760	0.05015	0.00058	0.29237	316.5	5.6	315.4	3.5	319	46	315.4	3.5	0.3	Single Age
15IOS12_51	352	2.23	0.37170	0.00690	0.05074	0.00041	0.02673	320.4	5.1	319.0	2.5	320	44	319.0	2.5	0.4	Single Age
15IOS12_52	1060	5.33	0.37690	0.00740	0.05140	0.00055	0.32728	324.2	5.5	323.1	3.4	324	42	323.1	3.4	0.3	Single Age
15IOS12_53	474	2.93	0.36000	0.00720	0.04928	0.00045	0.25101	311.8	5.4	310.1	2.8	308	44	310.1	2.8	0.5	Single Age
15IOS12_54	312	3.75	0.37780	0.00840	0.05175	0.00056	0.32475	324.9	6.2	325.2	3.4	309	52	325.2	3.4	0.1	Single Age
15IOS12_55	463	2.69	0.36890	0.00750	0.05165	0.00056	0.21467	318.3	5.6	324.6	3.4	267	46	324.6	3.4	2.0	Single Age
15IOS12_56	554	2.02	0.37170	0.00670	0.05140	0.00056	0.19133	320.5	5.0	323.1	3.5	296	42	323.1	3.5	0.8	Single Age
15IOS12_57	586	2.42	0.34930	0.00670	0.04813	0.00073	0.46555	303.7	5.0	302.9	4.5	306	39	302.9	4.5	0.3	Single Age
15IOS12_58	496	2.75	0.38300	0.01000	0.05100	0.00120	0.45571	328.5	7.6	320.3	7.1	381	58	320.3	7.1	2.5	Single Age
15IOS12_59	456	3.60	0.34580	0.00920	0.04852	0.00068	0.26008	301.2	6.9	305.4	4.2	262	59	305.4	4.2	1.4	Rim
15IOS12_59	1114	1.34	0.47500	0.01900	0.04903	0.00063	0.40053	393.0	13.0	308.6	3.9	924	82	DISC	DISC	21.5	Core
15IOS12_60	385.2	3.54	0.35600	0.00670	0.04893	0.00051	0.23771	308.7	5.0	307.9	3.1	305	42	307.9	3.1	0.3	Single Age
15IOS12_61	755	1.31	0.37880	0.00520	0.05153	0.00042	0.21016	325.9	3.8	323.9	2.6	329	33	323.9	2.6	0.6	Single Age
15IOS12_62	589	2.05	0.38400	0.00680	0.05186	0.00052	0.29127	329.5	5.0	325.9	3.2	346	39	325.9	3.2	1.1	Single Age
15IOS12_63	446	2.10	0.38750	0.00700	0.05179	0.00059	0.25275	332.1	5.2	325.5	3.6	374	41	325.5	3.6	2.0	Single Age
15IOS12_64	639	2.40	0.38440	0.00900	0.05181	0.00070	0.33627	329.9	6.6	325.6	4.3	371	54	325.6	4.3	1.3	Single Age
15IOS12_65	1450	8.80	0.39030	0.00600	0.05268	0.00045	0.28851	334.2	4.4	331.0	2.8	352	34	331.0	2.8	1.0	Single Age

Table A2, con't.

SAMPLE NAME: IOS1608																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1608_1	267	1.40	0.36840	0.00880	0.04906	0.00066	0.33022	317.7	6.5	308.7	4.0	369	50	308.7	4.0	2.8	Single Age
IOS1608_2	598	2.38	0.34030	0.00800	0.04634	0.00096	0.61646	296.7	6.0	291.9	5.9	333	39	291.9	5.9	1.6	Single Age
IOS1608_3	251	1.43	0.36900	0.01000	0.04953	0.00095	0.52373	318.1	7.5	311.5	5.8	354	51	311.5	5.8	2.1	Single Age
IOS1608_4	211.2	1.94	0.35500	0.01100	0.04570	0.00140	0.51132	308.6	8.9	288.1	8.8	473	69	DISC	DISC	6.6	Single Age
IOS1608_5	554	4.40	0.35490	0.00960	0.04830	0.00110	0.67822	307.7	7.2	303.9	6.9	341	46	303.9	6.9	1.2	Single Age
IOS1608_6	82.4	2.81	0.41600	0.04700	0.04130	0.00130	0.05086	347.0	32.0	260.7	8.3	860	190	DISC	DISC	24.9	Single Age
IOS1608_7	1360	4.25	0.35460	0.00730	0.04820	0.00100	0.74729	308.3	5.6	303.1	6.2	351	34	303.1	6.2	1.7	Single Age
IOS1608_8	639	9.06	0.41200	0.01400	0.04860	0.00120	0.45198	349.1	9.8	305.5	7.3	642	69	DISC	DISC	12.5	Single Age
IOS1608_9	1114	2.99	0.37310	0.00810	0.05000	0.00096	0.76196	321.4	6.0	314.4	5.9	366	33	314.4	5.9	2.2	Single Age
IOS1608_10	683	2.14	0.35900	0.01100	0.04950	0.00140	0.82630	310.7	7.9	311.3	8.7	311	39	311.3	8.7	0.2	Single Age
IOS1608_11	272	2.60	0.34000	0.01300	0.04580	0.00150	0.40031	295.7	9.8	291.0	10.0	348	73	291.0	10.0	1.6	Single Age
IOS1608_12	1800	5.59	0.30900	0.02300	0.03520	0.00200	0.70734	272.0	18.0	223.0	13.0	730	100	DISC	DISC	18.0	Rim
IOS1608_12	572	2.11	0.39900	0.01500	0.05160	0.00130	0.60241	342.0	10.0	324.5	7.9	458	64	DISC	DISC	5.1	Core
IOS1608_13	476	1.56	0.35510	0.00810	0.04900	0.00093	0.61548	308.0	6.1	308.3	5.7	311	40	308.3	5.7	0.1	Single Age
IOS1608_14	957	1.61	0.36160	0.00770	0.04894	0.00077	0.27244	312.9	5.7	308.0	4.7	366	49	308.0	4.7	1.6	Single Age
IOS1608_15	1940	6.91	0.29900	0.00900	0.03690	0.00130	0.84219	264.8	7.0	233.2	7.9	579	40	DISC	DISC	11.9	Single Age
IOS1608_16	237	1.66	0.34700	0.01100	0.04820	0.00110	0.60086	301.2	8.3	303.3	6.7	292	54	303.3	6.7	0.7	Single Age
IOS1608_17	1300	2.11	0.32870	0.00840	0.04622	0.00091	0.66031	288.0	6.4	291.2	5.6	278	41	291.2	5.6	1.1	Single Age
IOS1608_18	629	2.37	0.37000	0.00770	0.05160	0.00100	0.57843	319.2	5.7	324.0	6.1	299	41	324.0	6.1	1.5	Single Age
IOS1608_19	371	1.48	0.37200	0.01000	0.05113	0.00094	0.58045	320.0	7.5	321.4	5.7	329	50	321.4	5.7	0.4	Single Age
IOS1608_22	271.7	1.83	0.35060	0.00830	0.04823	0.00067	0.34433	305.5	6.4	303.6	4.1	337	52	303.6	4.1	0.6	Single Age
IOS1608_23	76.4	1.20	212.00000	72.00000	1.91000	0.62000	0.99388	4790.0	580.0	5900.0	1400.0	4900	100	4900.0	100.0	20.4	Single Age

Table A2, con't.

IOS1608_24	657	2.17	0.37200	0.01300	0.04880	0.00110	0.31228	317.5	8.1	306.9	6.5	404	51	306.9	6.5	3.3	Single Age
IOS1608_25	347	2.28	0.34650	0.00840	0.04986	0.00076	0.46608	301.4	6.3	313.6	4.7	226	46	313.6	4.7	4.0	Single Age
IOS1608_26	599	3.79	0.34300	0.01000	0.04670	0.00120	0.42641	298.8	7.8	294.0	7.4	353	64	294.0	7.4	1.6	Single Age
IOS1608_27	210.4	1.93	0.35620	0.00950	0.05020	0.00100	0.55089	309.4	7.3	315.4	6.2	282	50	315.4	6.2	1.9	Single Age
IOS1608_28	473	2.86	0.34490	0.00980	0.04671	0.00089	0.64531	300.0	7.4	294.2	5.5	350	47	294.2	5.5	1.9	Single Age
IOS1608_29	216	3.38	0.22500	0.01000	0.02903	0.00085	0.39033	204.8	8.3	184.4	5.3	424	77	DISC	DISC	10.0	Single Age
IOS1608_30	298	76.60	0.36700	0.01500	0.04880	0.00150	0.30079	317.0	11.0	307.3	9.2	406	94	307.3	9.2	3.1	Rim
IOS1608_30	38.2	0.65	5.21000	0.17000	0.32050	0.00780	0.48049	1850.0	28.0	1791.0	38.0	1932	55	1932.0	55.0	7.3	Core
IOS1608_31	265	1.91	0.34000	0.01200	0.04649	0.00089	0.49155	297.2	8.7	292.9	5.5	322	66	292.9	5.5	1.4	Single Age
IOS1608_32	530	1.67	0.33500	0.02700	0.04730	0.00310	0.29575	300.0	15.0	298.0	19.0	280	150	298.0	19.0	0.7	Single Age
IOS1608_33	593	1.54	0.91400	0.03100	0.10320	0.00310	0.69076	657.0	17.0	633.0	18.0	725	47	633.0	18.0	3.7	Single Age
IOS1608_34	509	6.47	0.36140	0.00980	0.04822	0.00079	0.30093	312.8	7.4	303.6	4.9	375	62	303.6	4.9	2.9	Single Age
IOS1608_35	215	2.21	0.36300	0.01200	0.05080	0.00110	0.25855	313.4	8.8	319.1	6.4	287	72	319.1	6.4	1.8	Single Age
IOS1608_36	191.7	2.37	0.32300	0.01600	0.04420	0.00150	0.50209	283.0	13.0	278.9	9.4	342	89	278.9	9.4	1.4	Single Age
IOS1608_37	212.7	1.64	0.36100	0.01100	0.04999	0.00087	0.50338	312.2	7.8	314.4	5.3	281	53	314.4	5.3	0.7	Single Age
IOS1608_38	872	12.53	0.09400	0.00560	0.01187	0.00070	0.42872	91.0	5.2	76.1	4.5	480	130	DISC	DISC	16.4	Rim
IOS1608_38	203	3.94	0.22500	0.02300	0.03390	0.00500	0.16391	205.0	19.0	214.0	31.0	280	280	DISC	DISC	4.4	Core
IOS1608_39	437	1.54	0.35280	0.00830	0.04695	0.00071	0.37562	306.2	6.3	295.7	4.4	373	51	295.7	4.4	3.4	Single Age
IOS1608_40	704	1.64	0.40100	0.01000	0.05290	0.00100	0.62578	342.0	7.2	332.0	6.2	396	44	332.0	6.2	2.9	Single Age
IOS1608_41	275	1.65	0.34500	0.01100	0.04470	0.00110	0.18031	300.1	8.5	281.9	6.6	404	69	DISC	DISC	6.1	Single Age
IOS1608_42	1970	2.24	0.36930	0.00830	0.05020	0.00100	0.74204	318.6	6.2	315.6	6.4	330	35	315.6	6.4	0.9	Single Age
IOS1608_44	199	1.87	0.43300	0.02500	0.04890	0.00190	0.38752	364.0	18.0	308.0	11.0	730	120	DISC	DISC	15.4	Rim
IOS1608_44	117.7	0.99	3.49000	0.18000	0.23000	0.01100	0.81761	1512.0	42.0	1331.0	59.0	1794	49	DISC	DISC	25.8	Core
IOS1608_45	881	2.14	0.39300	0.01000	0.04627	0.00082	0.25821	335.8	7.3	291.5	5.1	636	56	DISC	DISC	13.2	Single Age
IOS1608_47	302	1.27	0.36460	0.00840	0.04984	0.00071	0.29940	314.9	6.3	313.5	4.4	293	49	313.5	4.4	0.4	Single Age
IOS1608_48	558	2.12	0.35820	0.00720	0.04857	0.00091	0.56276	310.4	5.4	305.6	5.6	329	40	305.6	5.6	1.5	Single Age

Table A2, con't.

IOS1608_50	651	4.11	0.21200	0.01000	0.02710	0.00110	0.47987	195.2	8.5	172.2	6.7	460	100	DISC	DISC	11.8	Rim
IOS1608_50	329.5	3.69	0.78400	0.03500	0.06610	0.00200	0.66200	584.0	20.0	412.0	12.0	1289	67	DISC	DISC	29.5	Core
IOS1608_51	1600	4.40	0.34300	0.01500	0.04550	0.00230	0.83739	299.0	11.0	287.0	14.0	397	63	287.0	14.0	4.0	Rim
IOS1608_51	244	2.82	0.64900	0.01400	0.06680	0.00150	0.37605	508.2	8.4	416.4	9.0	920	51	DISC	DISC	18.1	Core
IOS1608_52	6860	20.10	0.03980	0.00210	0.00498	0.00025	0.66995	39.6	2.1	32.0	1.6	505	95	DISC	DISC	19.2	Rim
IOS1608_52	293	2.59	0.28100	0.01400	0.03700	0.00160	0.69262	251.0	11.0	234.0	10.0	385	85	DISC	DISC	6.8	Core
IOS1608_201	293	2.55	0.39000	0.02500	0.05090	0.00130	0.44374	333.0	18.0	320.1	8.0	390	120	320.1	8.0	3.9	Rim
IOS1608_201	250.6	2.74	1.94300	0.07300	0.17070	0.00440	0.66197	1094.0	25.0	1016.0	24.0	1231	55	DISC	DISC	7.1	Core
IOS1608_202	295	1.68	0.36430	0.00780	0.05011	0.00041	0.14099	314.8	5.8	315.2	2.5	284	47	315.2	2.5	0.1	Single Age
IOS1608_203	697	1.27	0.36910	0.00650	0.05001	0.00059	0.54172	318.6	4.8	314.5	3.6	326	34	314.5	3.6	1.3	Single Age
IOS1608_204	954	3.27	0.33800	0.01000	0.04563	0.00076	0.51272	295.2	7.8	287.6	4.7	332	60	287.6	4.7	2.6	Single Age
IOS1608_205	204.2	1.59	0.37500	0.01400	0.05151	0.00087	0.12977	323.0	10.0	323.8	5.3	291	83	323.8	5.3	0.2	Single Age
IOS1608_206	476	1.87	0.39620	0.00910	0.05010	0.00037	0.27819	338.3	6.6	315.1	2.3	475	49	DISC	DISC	6.9	Single Age
IOS1608_207	292.6	1.17	0.35900	0.00810	0.04834	0.00055	0.39492	310.8	6.0	304.3	3.4	334	48	304.3	3.4	2.1	Single Age
IOS1608_208	621	16.19	0.36730	0.00710	0.04977	0.00048	0.22012	317.3	5.3	313.1	2.9	323	43	313.1	2.9	1.3	Single Age
IOS1608_209	1080	3.90	0.38420	0.00510	0.05137	0.00043	0.37988	329.9	3.7	322.9	2.6	364	29	322.9	2.6	2.1	Single Age
IOS1608_210	770	1.78	0.44400	0.03600	0.05045	0.00081	0.54277	367.0	23.0	317.2	5.0	590	120	DISC	DISC	13.6	Single Age
IOS1608_211	736	5.16	0.21540	0.00530	0.02806	0.00040	0.40573	197.8	4.5	178.4	2.5	410	52	DISC	DISC	9.8	Single Age
IOS1608_212	2140	4.85	0.32200	0.01000	0.04153	0.00092	0.73063	282.9	7.9	262.3	5.7	448	50	DISC	DISC	7.3	Rim
IOS1608_212	553	2.88	0.35380	0.00830	0.04816	0.00068	0.67337	307.1	6.3	303.2	4.2	313	46	303.2	4.2	1.3	Core
IOS1608_213	429	3.76	0.37170	0.00710	0.05099	0.00057	0.37105	320.4	5.2	320.5	3.5	301	39	320.5	3.5	0.0	Single Age
IOS1608_214	700	1.96	0.37950	0.00830	0.05201	0.00056	0.19274	326.3	6.1	326.8	3.4	306	50	326.8	3.4	0.2	Single Age
IOS1608_215	4620	24.50	0.06190	0.00510	0.00789	0.00095	0.90036	61.0	4.9	50.6	6.1	500	140	DISC	DISC	17.0	Rim
IOS1608_215	467	2.45	0.37030	0.00740	0.05107	0.00047	0.27992	319.4	5.5	321.1	2.9	285	44	321.1	2.9	0.5	Core
IOS1608_216	552	2.15	0.34710	0.00860	0.04640	0.00070	0.20626	302.2	6.4	292.3	4.3	349	53	292.3	4.3	3.3	Single Age
IOS1608_217	532	2.30	0.40070	0.00950	0.05290	0.00055	0.42034	341.6	6.8	332.3	3.4	388	47	332.3	3.4	2.7	Single Age
IOS1608_218	937	31.20	0.26600	0.03200	0.03610	0.00410	0.97103	236.0	26.0	228.0	25.0	328	74	DISC	DISC	3.4	Rim
IOS1608_218	909	1.89	4.57300	0.04600	0.29510	0.00290	0.66591	1743.9	8.4	1667.0	15.0	1829	15	1829.0	15.0	8.9	Core

Table A2, con't.

IOS1608_219	3640	4.12	0.33160	0.00600	0.04417	0.00054	0.65453	290.6	4.6	278.6	3.3	384	32	278.6	3.3	4.1	Rim
IOS1608_219	870	2.52	0.37600	0.01600	0.05200	0.00120	0.64023	324.0	12.0	326.6	7.2	286	74	326.6	7.2	0.8	Core
IOS1608_220	487	1.44	0.33770	0.00530	0.04595	0.00033	0.16820	295.2	4.1	289.6	2.0	326	38	289.6	2.0	1.9	Single Age
IOS1608_221	479	6.36	0.36670	0.00850	0.05041	0.00055	0.17575	316.7	6.3	317.0	3.4	304	52	317.0	3.4	0.1	Single Age
IOS1608_222	1870	14.70	0.10900	0.01400	0.01223	0.00071	0.21519	105.0	13.0	78.3	4.5	750	340	DISC	DISC	25.4	Rim
IOS1608_222	471	2.22	0.36900	0.01100	0.05103	0.00089	0.50462	317.8	7.8	320.8	5.4	281	55	320.8	5.4	0.9	Core
IOS1608_223	731	3.27	0.21680	0.00510	0.02893	0.00046	0.47730	199.5	4.4	183.9	2.9	372	48	DISC	DISC	7.8	Single Age
IOS1608_224	394	1.52	0.36040	0.00740	0.04988	0.00054	0.25170	312.7	5.7	313.8	3.3	294	46	313.8	3.3	0.4	Single Age
IOS1608_225	3750	12.20	0.12640	0.00620	0.01620	0.00100	0.72511	120.7	5.6	103.4	6.7	464	87	DISC	DISC	14.3	Rim
IOS1608_225	76.3	1.82	0.87100	0.05300	0.09820	0.00330	0.34479	633.0	29.0	604.0	20.0	720	120	604.0	20.0	4.6	Core
IOS1608_226	127.8	2.67	0.37200	0.01300	0.05081	0.00098	0.13380	319.3	9.8	319.4	6.0	308	79	319.4	6.0	0.0	Single Age
IOS1608_227	658	1.57	0.36310	0.00580	0.04945	0.00040	0.27356	314.8	4.5	311.2	2.5	329	36	311.2	2.5	1.1	Single Age
IOS1608_228	1310	13.30	0.16300	0.01700	0.02070	0.00110	0.80456	154.0	15.0	132.3	7.1	500	130	DISC	DISC	14.1	Rim
IOS1608_228	441	1.49	0.39100	0.01100	0.05273	0.00070	0.18996	334.5	7.8	331.2	4.3	350	64	331.2	4.3	1.0	Core
IOS1608_229	2600	25.10	0.09200	0.02100	0.00787	0.00046	0.09720	89.0	19.0	50.5	3.0	1230	370	DISC	DISC	43.3	Rim
IOS1608_229	255	4.42	0.26200	0.02500	0.03155	0.00077	0.43411	234.0	20.0	200.2	4.8	580	150	DISC	DISC	14.4	Rim
IOS1608_229	157	4.84	0.89000	0.17000	0.05320	0.00180	0.12846	613.0	85.0	334.0	11.0	1630	350	DISC	DISC	45.5	Core
IOS1608_230	1770	2.89	0.36690	0.00390	0.05057	0.00036	0.52226	317.2	2.9	318.0	2.2	317	21	318.0	2.2	0.3	Single Age
IOS1608_231	8000	15.09	0.25670	0.00710	0.02970	0.00120	0.04743	231.9	5.7	188.8	7.6	720	100	DISC	DISC	18.6	Rim
IOS1608_231	599	2.54	0.35180	0.00830	0.04143	0.00063	0.18527	305.5	6.2	261.7	3.9	676	56	DISC	DISC	14.3	Core
IOS1608_232	610	1.62	0.37260	0.00600	0.05157	0.00052	0.37785	321.2	4.4	324.1	3.2	308	34	324.1	3.2	0.9	Single Age
IOS1608_233	174	2.04	0.36200	0.01200	0.05086	0.00067	0.10892	312.6	9.0	319.8	4.1	269	74	319.8	4.1	2.3	Single Age
IOS1608_234	3480	8.83	0.21600	0.01100	0.02610	0.00100	0.72657	198.1	9.1	166.3	6.5	614	79	DISC	DISC	16.1	Rim
IOS1608_234	585	1.31	0.63300	0.01300	0.07563	0.00096	0.55046	497.6	8.1	470.0	5.7	630	38	DISC	DISC	5.5	Core
IOS1608_235	65.7	2.01	0.38200	0.01900	0.05590	0.00120	0.25871	326.0	14.0	350.4	7.5	200	96	DISC	DISC	7.5	Single Age
IOS1608_236	632	2.73	0.37200	0.00700	0.05080	0.00058	0.52104	320.8	5.2	319.4	3.6	338	36	319.4	3.6	0.4	Single Age
IOS1608_237	500	2.36	0.36540	0.00900	0.05107	0.00062	0.24883	315.6	6.7	321.1	3.8	280	54	321.1	3.8	1.7	Single Age
IOS1608_238	310	1.71	0.35000	0.02400	0.04370	0.00100	0.36454	304.0	18.0	275.6	6.4	530	140	DISC	DISC	9.3	Rim

Table A2, con't.

IOS1608_238	618	1.77	0.37360	0.00690	0.05256	0.00054	0.25994	322.0	5.1	330.2	3.3	278	43	330.2	3.3	2.5	Core
IOS1608_239	626	6.64	0.20000	0.01600	0.02120	0.00120	0.49300	185.0	13.0	135.2	7.5	890	120	DISC	DISC	26.9	Rim
IOS1608_239	198	1.94	0.35300	0.01500	0.04818	0.00087	0.37208	306.0	11.0	303.3	5.4	315	84	303.3	5.4	0.9	Core
IOS1608_240	1211	4.21	0.38400	0.00640	0.05221	0.00062	0.56321	329.6	4.7	328.1	3.8	362	32	328.1	3.8	0.5	Single Age
IOS1608_241	720	3.12	0.38190	0.00680	0.05341	0.00076	0.40267	328.0	5.0	335.3	4.6	299	37	335.3	4.6	2.2	Single Age
IOS1608_242	940	4.14	0.36420	0.00600	0.05001	0.00049	0.31228	315.0	4.5	314.5	3.0	340	38	314.5	3.0	0.2	Single Age
IOS1608_243	401	1.66	0.35580	0.00710	0.04973	0.00054	0.23230	308.6	5.3	312.8	3.3	289	46	312.8	3.3	1.4	Single Age
IOS1608_244	297.6	1.94	0.37500	0.01200	0.04714	0.00051	0.41116	323.6	8.8	296.9	3.1	522	62	DISC	DISC	8.3	Single Age
IOS1608_245	322	1.62	0.34670	0.00810	0.04966	0.00051	0.04642	302.7	6.3	312.4	3.1	244	56	312.4	3.1	3.2	Single Age
IOS1608_246	2020	4.64	0.19400	0.01300	0.02633	0.00073	0.49013	180.0	11.0	167.6	4.6	370	130	DISC	DISC	6.9	Rim
IOS1608_246	360	1.57	0.36970	0.00730	0.05140	0.00065	0.38433	319.0	5.4	323.1	4.0	314	44	323.1	4.0	1.3	Core
IOS1608_247	1810	3.30	0.46700	0.07700	0.04530	0.00069	0.48607	386.0	52.0	285.6	4.2	1030	320	DISC	DISC	26.0	Rim
IOS1608_247	206.7	2.04	0.47000	0.01700	0.05159	0.00058	0.43545	393.0	13.0	324.3	3.6	804	73	DISC	DISC	17.5	Core
IOS1608_248	398	1.51	0.36260	0.00660	0.05054	0.00044	0.24017	313.8	4.9	317.8	2.7	297	40	317.8	2.7	1.3	Single Age
IOS1608_249	312	2.40	0.34400	0.01500	0.04830	0.00140	0.32031	298.0	12.0	304.1	8.4	276	83	304.1	8.4	2.0	Single Age
IOS1608_250	422	2.90	0.34950	0.00990	0.04894	0.00070	0.10002	304.1	7.5	308.0	4.3	287	68	308.0	4.3	1.3	Single Age

SAMPLE NAME: IOS1617

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1617_1	670	17.80	0.44500	0.02100	0.05640	0.00260	0.70150	373.0	15.0	353.0	16.0	478	78	DISC	DISC	5.4	Rim
IOS1617_1	142	1.89	0.58000	0.01400	0.07298	0.00090	0.37974	464.8	9.2	454.1	5.4	481	50	454.1	5.4	2.3	Core
IOS1617_2	603	85.00	0.39600	0.01500	0.05320	0.00150	0.27882	338.0	11.0	333.9	9.4	339	94	333.9	9.4	1.2	Rim
IOS1617_2	291	1.36	0.57000	0.01100	0.07140	0.00062	0.42626	457.5	6.9	444.6	3.7	479	38	444.6	3.7	2.8	Core
IOS1617_3	486	123.00	0.41400	0.01300	0.05330	0.00150	0.52223	351.3	9.4	334.5	9.4	450	70	334.5	9.4	4.8	Rim
IOS1617_3	890	1.26	0.57440	0.00810	0.07198	0.00086	0.62568	460.5	5.2	448.0	5.2	487	26	448.0	5.2	2.7	Core
IOS1617_4	152.5	1.66	0.55900	0.01200	0.06986	0.00072	0.19925	450.8	8.4	435.3	4.3	479	52	435.3	4.3	3.4	Single Age

Table A2, con't.

IOS1617_5	245.1	1.38	0.56230	0.00900	0.07128	0.00057	0.28045	452.4	5.8	443.9	3.4	452	34	443.9	3.4	1.9	Single Age
IOS1617_6	891	77.00	0.43500	0.01800	0.05390	0.00160	0.33229	366.0	13.0	338.7	9.8	507	92	DISC	DISC	7.5	Rim
IOS1617_6	444	1.21	0.56320	0.00940	0.07214	0.00090	0.30522	453.2	6.1	449.0	5.4	432	36	449.0	5.4	0.9	Core
IOS1617_7	251	1.57	0.56900	0.01000	0.07181	0.00078	0.35357	456.4	6.6	447.0	4.7	462	39	447.0	4.7	2.1	Single Age
IOS1617_8	843	35.70	0.44700	0.02100	0.05490	0.00210	0.52540	374.0	15.0	344.0	13.0	518	89	DISC	DISC	8.0	Rim
IOS1617_8	390	1.38	0.61000	0.01200	0.07400	0.00110	0.60089	482.7	7.7	459.8	6.7	549	35	459.8	6.7	4.7	Core
IOS1617_9	188.8	2.11	0.57500	0.02700	0.06840	0.00190	0.28532	460.0	17.0	426.0	11.0	590	110	DISC	DISC	7.4	Single Age
IOS1617_10	152.9	1.83	0.60700	0.01300	0.07310	0.00081	0.30289	481.9	7.8	454.8	4.9	555	45	DISC	DISC	5.6	Single Age
IOS1617_11	637	17.50	0.67500	0.04600	0.05510	0.00110	0.47496	521.0	27.0	345.7	6.4	1330	110	DISC	DISC	33.6	Single Age
IOS1617_12	520	9.33	0.41500	0.01800	0.05560	0.00190	0.51981	352.0	13.0	348.0	12.0	300	72	348.0	12.0	1.1	Rim
IOS1617_12	288.7	2.13	0.49600	0.01600	0.06190	0.00170	0.61542	408.0	11.0	387.0	10.0	477	58	DISC	DISC	5.1	Core
IOS1617_13	646	139.00	0.40340	0.00900	0.05386	0.00095	0.25774	343.9	6.5	338.1	5.8	351	60	338.1	5.8	1.7	Rim
IOS1617_13	568	1.19	0.56090	0.00900	0.07130	0.00068	0.15944	451.8	5.8	443.9	4.1	443	38	443.9	4.1	1.7	Core
IOS1617_14	491	12.20	0.47000	0.01900	0.05410	0.00180	0.12897	390.0	13.0	340.0	11.0	660	110	DISC	DISC	12.8	Rim
IOS1617_14	257.6	1.50	0.57300	0.01200	0.06870	0.00100	0.33168	459.2	7.6	428.0	6.1	570	46	DISC	DISC	6.8	Core
IOS1617_15	221.7	1.69	0.58800	0.01000	0.07018	0.00072	0.21407	469.1	6.7	437.2	4.3	582	40	DISC	DISC	6.8	Single Age
IOS1617_16	576	72.00	0.41700	0.02000	0.05160	0.00210	0.48373	353.0	14.0	324.0	13.0	519	99	DISC	DISC	8.2	Rim
IOS1617_16	312	1.28	0.57600	0.01100	0.07251	0.00082	0.30979	461.6	6.9	451.2	4.9	482	45	451.2	4.9	2.3	Core
IOS1617_17	408	1.50	0.54600	0.01400	0.06940	0.00160	0.45955	441.6	8.9	432.3	9.7	469	56	432.3	9.7	2.1	Single Age
IOS1617_18	129.1	1.67	0.63500	0.01200	0.07506	0.00079	0.33608	498.3	7.6	466.5	4.7	629	42	DISC	DISC	6.4	Single Age
IOS1617_19	151.1	1.61	0.57100	0.01300	0.07530	0.00100	0.28126	457.8	8.7	467.8	6.1	396	52	467.8	6.1	2.2	Single Age
IOS1617_20	294	1.68	0.57200	0.01100	0.07318	0.00088	0.40656	458.4	6.9	455.2	5.3	472	39	455.2	5.3	0.7	Single Age
IOS1617_21	1138	78.60	0.39170	0.00810	0.05430	0.00140	0.37719	335.3	5.9	341.0	8.5	303	54	341.0	8.5	1.7	Rim
IOS1617_21	272.9	2.67	0.51700	0.01900	0.06740	0.00170	0.37640	422.0	13.0	421.0	10.0	448	73	421.0	10.0	0.2	Core
IOS1617_22	297	1.54	0.57100	0.01000	0.07354	0.00095	0.63197	457.8	6.5	457.4	5.7	466	34	457.4	5.7	0.1	Single Age
IOS1617_23	595	11.10	0.43300	0.01900	0.05680	0.00260	0.64830	364.0	13.0	356.0	16.0	439	76	356.0	16.0	2.2	Rim
IOS1617_23	324.9	1.70	0.53700	0.01400	0.07160	0.00160	0.58017	435.4	9.1	445.5	9.4	387	50	445.5	9.4	2.3	Core
IOS1617_24	259.8	1.42	0.59200	0.01200	0.07505	0.00095	0.35148	471.2	7.7	466.4	5.7	488	44	466.4	5.7	1.0	Single Age

Table A2, con't.

IOS1617_25	752	33.10	0.38500	0.01600	0.05280	0.00180	0.48332	330.0	12.0	331.0	11.0	326	83	331.0	11.0	0.3	Rim
IOS1617_25	331	2.09	0.51600	0.01300	0.06730	0.00130	0.65406	421.8	8.6	419.4	8.0	432	43	419.4	8.0	0.6	Core
IOS1617_26	628	50.00	0.42100	0.03200	0.05570	0.00360	0.72612	355.0	23.0	349.0	22.0	380	110	349.0	22.0	1.7	Rim
IOS1617_26	184.3	1.84	0.58500	0.01400	0.07550	0.00120	0.16307	466.3	9.2	469.3	7.0	444	46	469.3	7.0	0.6	Core
IOS1617_27	956	21.10	0.41700	0.00890	0.05607	0.00091	0.68692	353.5	6.4	351.6	5.5	358	36	351.6	5.5	0.5	Rim
IOS1617_27	240	1.60	0.60600	0.02000	0.07670	0.00130	0.58152	480.0	13.0	476.6	8.0	482	60	476.6	8.0	0.7	Core
IOS1617_28	1981	13.07	0.46100	0.01300	0.06190	0.00140	0.77152	384.6	8.7	387.4	8.8	365	39	387.4	8.8	0.7	Rim
IOS1617_28	623	2.70	0.58070	0.00950	0.07192	0.00076	0.20531	464.4	6.1	447.7	4.6	537	38	447.7	4.6	3.6	Core
IOS1617_29	880	94.00	0.38900	0.01900	0.05360	0.00240	0.61484	332.0	13.0	337.0	15.0	307	87	337.0	15.0	1.5	Rim
IOS1617_29	300	1.56	0.55600	0.01500	0.07140	0.00120	0.46604	448.2	9.8	444.2	7.5	454	54	444.2	7.5	0.9	Core
IOS1617_30	427	1.07	0.58460	0.00800	0.07414	0.00066	0.52960	467.0	5.1	461.0	4.0	486	26	461.0	4.0	1.3	Single Age
IOS1617_31	311	2.35	0.56700	0.01100	0.07420	0.00120	0.40001	456.1	7.2	461.5	7.4	421	44	461.5	7.4	1.2	Single Age
IOS1617_32	545	10.30	0.41400	0.01400	0.05540	0.00130	0.56952	351.5	9.8	347.7	8.0	373	64	347.7	8.0	1.1	Rim
IOS1617_32	184.8	1.59	0.55800	0.01600	0.07254	0.00094	0.36843	451.0	11.0	451.4	5.7	430	62	451.4	5.7	0.1	Core
IOS1617_33	521	16.70	0.41300	0.01700	0.05580	0.00170	0.48868	350.0	12.0	350.0	11.0	353	81	350.0	11.0	0.0	Rim
IOS1617_33	325.5	1.35	0.55700	0.01300	0.07118	0.00097	0.39516	448.8	8.7	443.2	5.9	465	50	443.2	5.9	1.2	Core
IOS1617_34	288.8	1.37	0.65100	0.01400	0.07136	0.00098	0.41998	508.0	8.7	444.3	5.9	797	43	DISC	DISC	12.5	Single Age
IOS1617_35	283.3	2.06	0.56300	0.01100	0.07050	0.00110	0.54691	454.0	7.4	438.9	6.6	522	39	438.9	6.6	3.3	Single Age
IOS1617_36	837	8.80	0.47300	0.01700	0.06050	0.00240	0.43987	393.0	11.0	378.0	15.0	477	84	378.0	15.0	3.8	Rim
IOS1617_36	316	1.59	0.56700	0.01200	0.07130	0.00110	0.56319	455.6	7.8	443.9	6.4	518	39	443.9	6.4	2.6	Core
IOS1617_38	128.4	1.96	0.62800	0.01500	0.07580	0.00110	0.24648	493.6	9.4	470.9	6.7	575	55	470.9	6.7	4.6	Single Age
IOS1617_39	242.2	2.32	0.55700	0.01900	0.06630	0.00120	0.65621	448.0	12.0	413.5	7.3	604	58	DISC	DISC	7.7	Single Age
IOS1617_40	702	151.00	0.40600	0.01900	0.05250	0.00220	0.71423	345.0	14.0	329.0	13.0	442	67	329.0	13.0	4.6	Rim
IOS1617_40	230.1	2.28	0.55500	0.01300	0.06970	0.00120	0.32387	447.4	8.5	434.0	7.5	498	54	434.0	7.5	3.0	Core
IOS1617_41	291	2.93	0.58700	0.03600	0.05920	0.00220	0.55122	466.0	22.0	371.0	13.0	940	100	DISC	DISC	20.4	Single Age
IOS1617_42	374	1.54	0.58470	0.00960	0.07310	0.00110	0.54752	466.8	6.2	454.6	6.5	507	34	454.6	6.5	2.6	Single Age
IOS1617_43	485	29.80	0.44000	0.02500	0.05600	0.00280	0.60975	369.0	17.0	356.0	19.0	450	100	356.0	19.0	3.5	Rim
IOS1617_43	286.4	2.68	0.55400	0.01400	0.07050	0.00150	0.48427	446.5	9.1	438.8	9.0	466	51	438.8	9.0	1.7	Core
IOS1617_44	2760	35.80	0.41300	0.01400	0.05390	0.00210	0.73781	350.5	9.9	339.0	13.0	430	57	339.0	13.0	3.3	Rim

Table A2, con't.

IOS1617_44	155	2.35	0.63700	0.01800	0.08000	0.00160	0.52101	499.0	11.0	495.9	9.6	494	57	495.9	9.6	0.6	Core
IOS1617_45	401	8.50	0.42400	0.01600	0.05680	0.00180	0.57295	360.0	11.0	356.0	11.0	363	73	356.0	11.0	1.1	Rim
IOS1617_45	173.1	1.79	0.56100	0.01200	0.07280	0.00100	0.39474	451.5	7.9	452.7	6.2	441	58	452.7	6.2	0.3	Core
IOS1617_46	267	8.50	0.52500	0.01700	0.06900	0.00200	0.50234	426.0	11.0	430.0	12.0	403	66	430.0	12.0	0.9	Single Age
IOS1617_47	174.2	3.01	0.56600	0.02400	0.07280	0.00250	0.53340	452.0	15.0	452.0	15.0	439	77	452.0	15.0	0.0	Single Age
IOS1617_48	409.1	1.38	0.57400	0.01500	0.07233	0.00085	0.21813	459.7	9.1	450.1	5.1	506	46	450.1	5.1	2.1	Single Age
IOS1617_50	169	2.19	0.55400	0.01500	0.07200	0.00130	0.25133	446.6	9.6	448.4	7.7	440	61	448.4	7.7	0.4	Single Age
IOS1617_51	986	99.00	0.36230	0.00730	0.04987	0.00099	0.62235	313.4	5.4	313.6	6.1	325	38	313.6	6.1	0.1	Single Age
IOS1617_52	1906	63.00	0.40710	0.00960	0.05500	0.00150	0.64294	346.3	6.9	345.1	9.0	369	48	345.1	9.0	0.3	Rim
IOS1617_52	283	1.88	0.57700	0.01700	0.07610	0.00140	0.40002	462.0	11.0	472.7	8.2	408	61	472.7	8.2	2.3	Core
IOS1617_53	195	1.58	0.59600	0.01500	0.07480	0.00120	0.59003	473.1	9.2	465.2	7.3	498	41	465.2	7.3	1.7	Single Age
IOS1617_54	217.1	1.55	0.57300	0.01100	0.07057	0.00085	0.22909	459.4	7.3	439.5	5.1	555	47	439.5	5.1	4.3	Single Age
IOS1617_55	346	11.20	0.44700	0.01400	0.05880	0.00170	0.36832	374.8	9.8	368.0	10.0	417	73	368.0	10.0	1.8	Rim
IOS1617_55	238.2	1.44	0.54500	0.01400	0.07100	0.00110	0.22294	440.7	9.0	442.3	6.6	425	58	442.3	6.6	0.4	Core
IOS1617_56	315	8.10	0.45800	0.03600	0.06270	0.00390	0.50554	381.0	25.0	391.0	24.0	320	140	391.0	24.0	2.6	Rim
IOS1617_56	174	1.84	0.55000	0.01400	0.07190	0.00110	0.27788	443.9	9.1	447.6	6.5	412	56	447.6	6.5	0.8	Core

SAMPLE NAME: IOS1631

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1631_1	120	1.35	0.25280	0.00730	0.03665	0.00051	0.19200	228.9	6.0	232.0	3.2	201	59	232.0	3.2	1.4	Single Age
IOS1631_2	521	2.15	0.27470	0.00700	0.03797	0.00061	0.43585	245.9	5.5	240.2	3.8	297	52	240.2	3.8	2.3	Single Age
IOS1631_3	162	2.56	0.25300	0.00940	0.03752	0.00067	0.29729	227.9	7.6	237.4	4.1	148	71	237.4	4.1	4.2	Single Age
IOS1631_4	176.5	2.05	0.28700	0.01000	0.03773	0.00048	0.20044	256.4	8.4	238.7	3.0	393	74	DISC	DISC	6.9	Single Age
IOS1631_5	293	1.74	0.25700	0.00710	0.03740	0.00048	0.02195	231.6	5.7	236.7	3.0	179	58	236.7	3.0	2.2	Single Age
IOS1631_6	113	2.25	0.26590	0.00960	0.03750	0.00059	0.15846	239.2	7.9	237.3	3.7	263	76	237.3	3.7	0.8	Single Age

Table A2, con't.

IOS1631_7	230	1.54	0.30900	0.01200	0.03763	0.00062	0.23477	271.8	8.9	238.1	3.8	562	81	DISC	DISC	12.4	Single Age
IOS1631_8	210	1.71	0.26620	0.00660	0.03765	0.00049	0.25174	239.2	5.3	238.2	3.1	258	53	238.2	3.1	0.4	Single Age
IOS1631_9	272	1.48	0.26520	0.00560	0.03695	0.00043	0.22399	238.4	4.5	233.9	2.6	290	48	233.9	2.6	1.9	Single Age
IOS1631_10	135.9	2.13	0.25920	0.00690	0.03712	0.00050	0.27843	234.1	5.7	234.9	3.1	228	57	234.9	3.1	0.3	Single Age
IOS1631_11	512	2.93	0.27230	0.00670	0.03686	0.00048	0.27624	244.0	5.4	233.3	3.0	354	55	233.3	3.0	4.4	Single Age
IOS1631_12	194	1.77	0.30500	0.01000	0.03900	0.00057	0.32709	268.8	7.8	246.6	3.5	439	62	DISC	DISC	8.3	Single Age
IOS1631_13	204	1.46	0.25370	0.00750	0.03658	0.00050	0.23966	228.8	6.1	231.5	3.1	203	61	231.5	3.1	1.2	Single Age
IOS1631_14	94.1	1.87	0.27090	0.00980	0.03533	0.00057	0.07516	242.3	7.7	223.8	3.5	419	80	DISC	DISC	7.6	Single Age
IOS1631_15	93.3	1.16	0.32900	0.03300	0.03610	0.00058	0.51839	275.0	19.0	228.6	3.6	660	140	DISC	DISC	16.9	Single Age
IOS1631_16	238	1.12	0.33100	0.01200	0.03814	0.00042	0.24786	289.0	9.1	241.3	2.6	670	75	DISC	DISC	16.5	Single Age
IOS1631_17	469	1.51	0.24940	0.00490	0.03567	0.00039	0.22826	225.8	4.0	225.9	2.5	220	44	225.9	2.5	0.0	Single Age
IOS1631_18	117	1.79	0.25980	0.00760	0.03722	0.00050	0.15343	234.6	5.9	235.5	3.1	228	62	235.5	3.1	0.4	Single Age
IOS1631_19	101.6	1.82	0.25900	0.00890	0.03740	0.00059	0.35409	232.9	7.1	236.7	3.7	214	68	236.7	3.7	1.6	Single Age
IOS1631_20	263	2.04	0.25930	0.00680	0.03795	0.00069	0.18271	233.6	5.4	240.1	4.3	194	60	240.1	4.3	2.8	Single Age
IOS1631_21	119.4	1.56	0.61600	0.05700	0.03991	0.00074	0.71891	464.0	35.0	252.2	4.6	1440	160	DISC	DISC	45.6	Single Age
IOS1631_22	188	1.38	0.26130	0.00760	0.03739	0.00052	0.29568	235.8	6.2	236.6	3.2	231	59	236.6	3.2	0.3	Single Age
IOS1631_23	133.7	1.42	0.26900	0.00830	0.03664	0.00056	0.14115	241.9	6.8	231.9	3.5	339	69	231.9	3.5	4.1	Single Age
IOS1631_24	132	2.14	0.27620	0.00880	0.03822	0.00061	0.14322	246.7	7.0	241.8	3.8	293	68	241.8	3.8	2.0	Single Age
IOS1631_25	1747	9.92	0.17040	0.00470	0.02406	0.00074	0.70967	159.7	4.1	153.3	4.6	270	49	153.3	4.6	4.0	Rim
IOS1631_25	270	1.90	0.25100	0.01000	0.03469	0.00067	0.45073	226.7	8.4	219.8	4.2	293	79	219.8	4.2	3.0	Core
IOS1631_26	56.5	1.39	0.28800	0.01500	0.03657	0.00068	0.22581	255.0	12.0	231.5	4.2	460	110	DISC	DISC	9.2	Single Age
IOS1631_27	381	1.65	0.26220	0.00550	0.03694	0.00043	0.34839	236.1	4.4	233.8	2.7	270	45	233.8	2.7	1.0	Single Age
IOS1631_28	277	1.90	0.27140	0.00720	0.03751	0.00060	0.40237	243.2	5.8	237.3	3.7	295	54	237.3	3.7	2.4	Single Age
IOS1631_29	163	2.02	0.26900	0.00750	0.03677	0.00056	0.16657	241.9	6.1	232.8	3.5	325	62	232.8	3.5	3.8	Single Age
IOS1631_30	196.9	1.19	0.27800	0.00720	0.03772	0.00049	0.30557	248.5	5.7	239.0	3.1	333	54	239.0	3.1	3.8	Single Age

Table A2, con't.

IOS1631_31	130.7	1.28	0.27430	0.00930	0.03827	0.00064	0.22821	246.0	7.6	242.0	3.9	289	72	242.0	3.9	1.6	Single Age
IOS1631_32	295	2.08	0.23890	0.00650	0.03429	0.00064	0.14211	217.0	5.3	217.3	4.0	227	57	217.3	4.0	0.1	Single Age
IOS1631_33	436	1.91	0.25750	0.00580	0.03691	0.00065	0.54819	232.2	4.7	233.6	4.0	224	42	233.6	4.0	0.6	Single Age
IOS1631_34	150.9	1.66	0.25880	0.00830	0.03699	0.00073	0.28599	232.9	6.6	234.1	4.5	231	65	234.1	4.5	0.5	Single Age
IOS1631_35	170	1.84	0.30240	0.00980	0.03731	0.00062	0.42333	268.4	7.9	236.1	3.9	562	70	DISC	DISC	12.0	Single Age
IOS1631_37	248	1.52	0.26140	0.00660	0.03663	0.00048	0.19438	235.3	5.3	231.9	3.0	261	55	231.9	3.0	1.4	Single Age
IOS1631_38	335	1.62	0.25400	0.00510	0.03681	0.00044	0.14176	230.1	4.2	233.0	2.7	198	48	233.0	2.7	1.3	Single Age
IOS1631_39	375	1.57	0.27710	0.00750	0.03715	0.00040	0.02901	247.8	6.0	235.1	2.5	349	60	DISC	DISC	5.1	Single Age
IOS1631_40	75.4	1.83	0.25800	0.01000	0.03404	0.00053	0.13377	231.8	8.2	215.7	3.3	403	89	DISC	DISC	6.9	Single Age
IOS1631_41	151.5	1.10	0.26090	0.00800	0.03685	0.00049	0.15103	234.6	6.4	233.3	3.1	239	64	233.3	3.1	0.6	Single Age
IOS1631_42	76.9	1.74	0.26100	0.01100	0.03680	0.00061	0.08654	234.1	8.6	232.9	3.8	240	85	232.9	3.8	0.5	Single Age
IOS1631_43	85.8	2.38	0.33200	0.01700	0.03725	0.00057	0.13416	288.0	12.0	235.7	3.6	652	93	DISC	DISC	18.2	Single Age
IOS1631_44	89.7	2.19	0.27600	0.01200	0.03921	0.00086	0.33631	245.9	9.6	247.9	5.3	238	86	247.9	5.3	0.8	Single Age
IOS1631_45	87.6	2.27	0.28200	0.01500	0.03766	0.00067	0.12997	253.0	12.0	238.3	4.2	350	110	DISC	DISC	5.8	Single Age
IOS1631_46	126.5	1.33	0.25760	0.00880	0.03565	0.00062	0.24245	231.8	7.1	225.8	3.8	286	72	225.8	3.8	2.6	Single Age
IOS1631_47	172	1.21	0.26390	0.00700	0.03697	0.00054	0.03358	237.2	5.6	234.0	3.3	255	63	234.0	3.3	1.3	Single Age
IOS1631_48	194	1.52	0.26680	0.00830	0.03708	0.00055	0.18738	239.3	6.6	234.7	3.4	268	67	234.7	3.4	1.9	Single Age
IOS1631_49	200	2.38	0.27910	0.00790	0.03451	0.00052	0.33314	250.0	6.1	218.7	3.2	506	60	DISC	DISC	12.5	Single Age
IOS1631_50	231	2.16	0.25870	0.00990	0.03649	0.00054	0.17638	234.4	7.9	231.0	3.4	247	76	231.0	3.4	1.5	Single Age
IOS1631_51	197	2.68	0.28550	0.00880	0.03830	0.00059	0.05674	254.1	7.0	242.2	3.6	344	71	242.2	3.6	4.7	Single Age
IOS1631_52	137.8	1.42	0.29400	0.01100	0.03702	0.00054	0.26716	260.3	8.8	234.3	3.4	456	79	DISC	DISC	10.0	Single Age
IOS1631_53	203	1.63	0.26300	0.00840	0.03793	0.00055	0.19305	237.0	6.6	239.9	3.4	191	66	239.9	3.4	1.2	Single Age
IOS1631_54	132.4	2.12	0.27330	0.00810	0.03893	0.00052	0.25530	244.5	6.4	246.1	3.2	219	62	246.1	3.2	0.7	Single Age
IOS1631_55	483	3.36	0.27550	0.00580	0.03798	0.00045	0.38035	247.2	4.5	240.2	2.8	276	44	240.2	2.8	2.8	Single Age
IOS1631_56	203	2.82	0.26150	0.00780	0.03630	0.00051	0.27597	236.3	6.5	229.9	3.2	262	64	229.9	3.2	2.7	Single Age

Table A2, con't.

IOS1631_57	106.3	1.99	0.26050	0.00890	0.03713	0.00053	0.06567	234.9	7.3	235.0	3.3	206	73	235.0	3.3	0.0	Single Age
IOS1631_58	121	2.09	0.30900	0.01100	0.03904	0.00057	0.19447	272.1	8.5	246.9	3.5	440	76	DISC	DISC	9.3	Single Age
IOS1631_59	124	1.94	0.51700	0.02600	0.03870	0.00100	0.48120	418.0	18.0	244.7	6.3	1459	90	DISC	DISC	41.5	Single Age
IOS1631_60	184	1.95	0.26540	0.00840	0.03694	0.00059	0.34196	238.2	6.8	233.8	3.7	248	62	233.8	3.7	1.8	Single Age
IOS1631_61	82.7	1.86	0.46400	0.01600	0.04030	0.00069	0.10915	385.0	11.0	254.6	4.3	1214	78	DISC	DISC	33.9	Single Age
IOS1631_62	97.3	1.48	0.33900	0.01700	0.03799	0.00095	0.24098	295.0	13.0	240.3	5.9	650	110	DISC	DISC	18.5	Single Age
IOS1631_63	151.3	1.43	0.28130	0.00840	0.03869	0.00050	0.15406	250.9	6.6	244.7	3.1	269	62	244.7	3.1	2.5	Single Age
IOS1631_64	187	1.19	0.29200	0.01100	0.03797	0.00062	0.36116	258.7	8.4	240.2	3.8	371	73	DISC	DISC	7.2	Single Age
IOS1631_65	91.7	2.11	0.30500	0.01400	0.03571	0.00067	0.32979	268.0	11.0	226.1	4.2	588	90	DISC	DISC	15.6	Single Age
IOS1631_66	311	2.06	0.27570	0.00890	0.03784	0.00060	0.15770	246.7	7.1	239.4	3.7	280	70	239.4	3.7	3.0	Single Age
IOS1631_67	111.4	1.44	0.26700	0.01100	0.03493	0.00051	0.13881	239.0	8.3	221.3	3.2	369	79	DISC	DISC	7.4	Single Age
IOS1631_68	128.4	2.09	0.25780	0.00960	0.03875	0.00082	0.34401	231.7	7.8	245.0	5.1	103	70	DISC	DISC	5.7	Single Age
IOS1631_69	252	1.87	0.26990	0.00630	0.03718	0.00045	0.27772	242.2	5.0	235.3	2.8	272	50	235.3	2.8	2.8	Single Age
IOS1631_70	105.4	1.80	0.29800	0.01000	0.03706	0.00052	0.17005	265.7	8.2	234.5	3.2	483	79	DISC	DISC	11.7	Single Age
IOS1631_71	509	3.51	0.20670	0.00640	0.02782	0.00056	0.51374	190.4	5.4	176.8	3.5	325	59	DISC	DISC	7.1	Single Age
IOS1631_72	82.3	2.50	0.28900	0.01400	0.03772	0.00063	0.07152	255.0	11.0	238.7	3.9	380	100	DISC	DISC	6.4	Single Age
IOS1631_73	156	1.89	0.34800	0.01100	0.04088	0.00061	0.11346	302.9	8.6	258.2	3.8	613	73	DISC	DISC	14.8	Single Age
IOS1631_74	100.3	1.54	0.28940	0.00950	0.03714	0.00062	0.18908	257.1	7.5	235.1	3.8	419	72	DISC	DISC	8.6	Single Age
IOS1631_75	138	1.95	0.27350	0.00930	0.03442	0.00050	0.18118	244.5	7.3	218.1	3.1	454	70	DISC	DISC	10.8	Single Age
IOS1631_76	303	1.45	0.25570	0.00560	0.03675	0.00039	0.28937	230.8	4.5	232.6	2.4	185	43	232.6	2.4	0.8	Single Age
IOS1631_77	151	1.45	0.25370	0.00740	0.03597	0.00049	0.18066	229.7	6.1	227.8	3.1	224	62	227.8	3.1	0.8	Single Age
IOS1631_78	193	2.43	0.25860	0.00710	0.03721	0.00047	0.08451	233.7	5.9	235.5	2.9	204	62	235.5	2.9	0.8	Single Age
IOS1631_79	196	1.36	0.28400	0.01000	0.03725	0.00048	0.30488	252.4	7.9	235.8	3.0	387	72	DISC	DISC	6.6	Single Age
IOS1631_80	322	2.27	0.24860	0.00870	0.03375	0.00054	0.11221	224.8	7.1	214.0	3.4	316	82	214.0	3.4	4.8	Single Age
IOS1631_81	375	3.56	0.25910	0.00520	0.03558	0.00043	0.24293	233.6	4.1	225.4	2.7	289	43	225.4	2.7	3.5	Single Age

Table A2, con't.

IOS1631_82	105.2	1.36	0.28400	0.01000	0.03693	0.00046	0.12864	252.4	8.1	233.8	2.9	394	76	DISC	DISC	7.4	Single Age
IOS1631_83	205	1.81	0.30600	0.00830	0.03882	0.00048	0.04994	270.3	6.5	245.5	3.0	469	66	DISC	DISC	9.2	Single Age
IOS1631_84	82.6	2.02	0.26900	0.01200	0.03738	0.00083	0.41974	239.7	9.7	236.5	5.1	257	85	236.5	5.1	1.3	Single Age
IOS1631_85	141.5	2.03	0.27190	0.00800	0.03870	0.00063	0.19029	243.4	6.4	244.7	3.9	223	63	244.7	3.9	0.5	Single Age
IOS1631_86	170.8	1.26	0.24170	0.00600	0.03395	0.00048	0.38796	219.3	4.9	215.2	3.0	277	56	215.2	3.0	1.9	Single Age
IOS1631_87	63.6	1.68	0.33300	0.02500	0.03542	0.00070	0.54475	286.0	17.0	224.3	4.4	700	120	DISC	DISC	21.6	Single Age
IOS1631_88	260	3.66	0.29600	0.01100	0.04217	0.00094	0.28849	262.8	8.5	266.2	5.8	222	72	266.2	5.8	1.3	Single Age
IOS1631_89	121.7	1.43	0.22790	0.00850	0.03116	0.00066	0.43813	207.6	7.0	197.7	4.1	319	73	197.7	4.1	4.8	Single Age
IOS1631_90	217	1.46	0.26150	0.00720	0.03723	0.00048	0.21856	235.3	5.8	235.6	3.0	232	59	235.6	3.0	0.1	Single Age
IOS1631_91	149	2.23	0.26230	0.00880	0.03784	0.00068	0.32915	235.6	7.1	239.4	4.2	194	65	239.4	4.2	1.6	Single Age
IOS1631_92	141	2.00	0.25150	0.00780	0.03578	0.00048	0.13960	227.1	6.3	226.6	3.0	229	66	226.6	3.0	0.2	Single Age
IOS1631_93	116.9	1.11	0.26510	0.00870	0.03802	0.00047	0.13026	238.7	7.1	240.5	2.9	211	68	240.5	2.9	0.8	Single Age
IOS1631_94	117	2.01	0.28000	0.01000	0.03785	0.00059	0.20363	249.2	8.1	239.4	3.7	320	76	239.4	3.7	3.9	Single Age
IOS1631_95	271	4.06	0.31500	0.01200	0.03858	0.00051	0.15608	278.8	9.7	244.0	3.1	524	81	DISC	DISC	12.5	Single Age
IOS1631_96	135.7	1.49	0.28200	0.01000	0.03674	0.00065	0.15018	251.7	8.1	232.6	4.0	408	78	DISC	DISC	7.6	Single Age
IOS1631_97	193	1.44	0.27500	0.01100	0.03772	0.00060	0.47992	245.2	8.5	238.7	3.7	276	67	238.7	3.7	2.7	Single Age
IOS1631_98	103	3.81	0.38700	0.02500	0.03810	0.00110	0.40484	328.0	17.0	240.7	6.9	950	120	DISC	DISC	26.6	Single Age
IOS1631_99	536	1.94	0.25770	0.00690	0.03611	0.00061	0.47082	232.3	5.6	228.7	3.8	254	51	228.7	3.8	1.5	Single Age
IOS1631_100	235	1.25	0.26250	0.00600	0.03718	0.00050	0.21025	236.8	4.7	235.3	3.1	246	52	235.3	3.1	0.6	Single Age
IOS1631_101	192	2.29	0.26770	0.00860	0.03148	0.00041	0.08107	239.9	6.8	199.8	2.5	623	71	DISC	DISC	16.7	Single Age
IOS1631_102	133.6	1.31	0.26080	0.00780	0.03651	0.00057	0.36122	235.4	6.4	231.1	3.6	270	62	231.1	3.6	1.8	Single Age
IOS1631_103	201	3.00	0.25570	0.00760	0.03711	0.00054	0.38821	230.5	6.1	234.8	3.4	194	57	234.8	3.4	1.9	Single Age
IOS1631_104	541	3.69	0.39500	0.01900	0.03842	0.00077	0.49746	336.0	13.0	243.0	4.8	1000	81	DISC	DISC	27.7	Single Age
IOS1631_105	190	1.44	0.27160	0.00750	0.03677	0.00049	0.20511	243.4	6.0	232.7	3.0	326	60	232.7	3.0	4.4	Single Age
IOS1631_106	133.4	1.17	0.28090	0.00820	0.03795	0.00045	0.07304	252.1	6.5	240.1	2.8	330	66	240.1	2.8	4.8	Single Age

Table A2, con't.

IOS1631_107	334	2.15	0.27700	0.01000	0.03790	0.00074	0.45212	247.1	8.0	239.8	4.6	300	69	239.8	4.6	3.0	Single Age
IOS1631_108	168	1.39	0.26300	0.00810	0.03668	0.00052	0.38969	237.1	6.6	232.2	3.2	266	59	232.2	3.2	2.1	Single Age
IOS1631_109	119	2.62	0.27950	0.00970	0.04070	0.00071	0.38591	250.1	7.5	257.1	4.4	175	61	257.1	4.4	2.8	Single Age
IOS1631_110	223	1.55	0.27190	0.00760	0.03801	0.00047	0.34943	243.6	6.1	240.5	2.9	259	59	240.5	2.9	1.3	Single Age
IOS1631_111	87.8	1.79	0.26600	0.01000	0.03694	0.00065	0.14181	238.4	8.0	233.8	4.0	276	80	233.8	4.0	1.9	Single Age
IOS1631_112	352	2.23	0.26140	0.00530	0.03682	0.00045	0.13414	235.4	4.3	233.0	2.8	270	47	233.0	2.8	1.0	Single Age
IOS1631_113	215	1.87	0.26130	0.00640	0.03724	0.00042	0.26051	235.2	5.1	236.0	2.7	221	51	236.0	2.7	0.3	Single Age
IOS1631_114	222	1.86	0.25930	0.00610	0.03688	0.00043	0.19037	234.3	4.8	233.4	2.7	226	52	233.4	2.7	0.4	Single Age
IOS1631_115	194	1.73	0.26480	0.00720	0.03839	0.00044	0.23484	237.9	5.8	242.9	2.7	189	55	242.9	2.7	2.1	Single Age
IOS1631_116	190	2.54	0.26450	0.00720	0.03778	0.00047	0.31058	237.6	5.7	239.0	2.9	219	54	239.0	2.9	0.6	Single Age
IOS1631_117	108	3.49	0.27700	0.01100	0.03580	0.00052	0.10737	246.8	8.6	226.7	3.3	429	86	DISC	DISC	8.1	Single Age
IOS1631_118	184	1.37	0.27710	0.00730	0.03802	0.00049	0.24800	247.7	5.8	240.5	3.1	308	58	240.5	3.1	2.9	Single Age
IOS1631_119	193.1	1.15	0.39100	0.02500	0.03861	0.00061	0.41511	331.0	18.0	244.2	3.8	870	110	DISC	DISC	26.2	Single Age
IOS1631_120	355	2.23	0.26430	0.00560	0.03711	0.00038	0.24434	237.8	4.5	234.9	2.4	261	45	234.9	2.4	1.2	Single Age
IOS1631_121	152	1.89	0.27140	0.00720	0.03745	0.00043	0.00953	243.1	5.8	237.0	2.7	303	61	237.0	2.7	2.5	Single Age
IOS1631_122	300	1.60	0.27170	0.00650	0.03757	0.00043	0.27736	244.2	5.1	237.7	2.6	293	51	237.7	2.6	2.7	Single Age
IOS1631_123	272	2.37	0.26700	0.00700	0.03731	0.00044	0.21717	239.7	5.6	236.1	2.8	271	55	236.1	2.8	1.5	Single Age
IOS1631_124	97.8	1.47	0.31800	0.02700	0.03806	0.00064	0.63673	274.0	18.0	240.8	4.0	460	110	DISC	DISC	12.1	Single Age
IOS1631_125	525	2.69	0.26610	0.00450	0.03727	0.00036	0.35681	239.3	3.6	235.9	2.2	273	35	235.9	2.2	1.4	Single Age
IOS1631_126	395	1.50	0.25870	0.00610	0.03718	0.00043	0.14670	233.2	4.9	235.3	2.7	205	48	235.3	2.7	0.9	Single Age
IOS1631_127	294	2.27	0.27290	0.00660	0.03795	0.00043	0.27941	245.1	5.3	240.1	2.7	277	48	240.1	2.7	2.0	Single Age
IOS1631_128	137.5	2.06	0.26550	0.00780	0.03748	0.00053	0.24902	238.3	6.2	237.2	3.3	232	56	237.2	3.3	0.5	Single Age
IOS1631_129	202	2.80	0.25550	0.00670	0.03573	0.00042	0.20493	230.5	5.4	226.3	2.6	280	57	226.3	2.6	1.8	Single Age
IOS1631_130	228	1.80	0.26900	0.00840	0.03810	0.00049	0.18438	241.0	6.7	241.0	3.0	243	65	241.0	3.0	0.0	Single Age
IOS1631_131	187	1.24	0.25140	0.00720	0.03715	0.00044	0.14281	227.1	5.8	235.1	2.8	171	61	235.1	2.8	3.5	Single Age

Table A2, con't.

IOS1631_132	180.7	1.63	0.26590	0.00690	0.03804	0.00044	0.05291	238.9	5.5	240.6	2.8	235	59	240.6	2.8	0.7	Single Age
IOS1631_133	207	1.95	0.27260	0.00750	0.03734	0.00046	0.16179	244.1	5.9	236.3	2.9	326	60	236.3	2.9	3.2	Single Age
IOS1631_134	158.2	1.89	0.35700	0.08500	0.03778	0.00083	0.98220	261.0	18.0	239.0	5.1	355	80	DISC	DISC	8.4	Single Age
IOS1631_135	292.9	1.14	0.26260	0.00550	0.03690	0.00038	0.19346	236.4	4.4	233.6	2.4	276	46	233.6	2.4	1.2	Single Age
IOS1631_136	272	1.62	0.27420	0.00710	0.03854	0.00053	0.09574	245.5	5.6	243.7	3.3	277	60	243.7	3.3	0.7	Single Age
IOS1631_137	347	1.50	0.25500	0.00500	0.03682	0.00046	0.31907	230.3	4.0	233.1	2.8	218	43	233.1	2.8	1.2	Single Age
IOS1631_138	110	1.78	0.33000	0.02200	0.03790	0.00053	0.49127	285.0	16.0	240.2	3.4	620	120	DISC	DISC	15.7	Single Age
IOS1631_139	236.5	1.34	0.26640	0.00690	0.03745	0.00046	0.19412	239.3	5.5	237.0	2.9	268	55	237.0	2.9	1.0	Single Age
IOS1631_140	211	1.71	0.25870	0.00660	0.03645	0.00045	0.07817	233.0	5.3	230.8	2.8	264	57	230.8	2.8	0.9	Single Age

SAMPLE NAME: IOS1632

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1632_1	157	2.09	0.26280	0.00840	0.03749	0.00059	0.23491	236.1	6.7	237.2	3.7	234	66	237.2	3.7	0.5	Single Age
IOS1632_2	216	1.80	0.30000	0.01300	0.03790	0.00068	0.20686	264.4	9.2	239.7	4.2	462	64	DISC	DISC	9.3	Single Age
IOS1632_3	101.8	2.38	0.31200	0.01400	0.03896	0.00077	0.17443	274.0	11.0	246.3	4.8	500	93	DISC	DISC	10.1	Single Age
IOS1632_4	224	1.51	0.26040	0.00880	0.03780	0.00100	0.43352	234.0	7.0	238.8	6.3	209	64	238.8	6.3	2.1	Single Age
IOS1632_5	277	1.85	0.26750	0.00800	0.03810	0.00068	0.41340	240.0	6.4	241.0	4.2	235	59	241.0	4.2	0.4	Single Age
IOS1632_6	266	1.41	0.27500	0.00800	0.03781	0.00084	0.34662	245.9	6.3	239.2	5.2	306	61	239.2	5.2	2.7	Single Age
IOS1632_7	169	2.49	0.26300	0.01200	0.03770	0.00160	0.47060	235.7	9.6	238.0	10.0	264	89	238.0	10.0	1.0	Single Age
IOS1632_8	204	2.53	0.40500	0.02900	0.03960	0.00140	0.30397	340.0	20.0	251.5	9.0	890	120	DISC	DISC	26.0	Single Age
IOS1632_10	388	3.42	0.41100	0.04100	0.03602	0.00084	0.52004	338.0	26.0	228.0	5.2	1010	130	DISC	DISC	32.5	Single Age
IOS1632_11	194.2	1.45	0.33100	0.01500	0.03990	0.00100	0.29967	288.0	11.0	252.3	6.5	581	79	DISC	DISC	12.4	Single Age
IOS1632_12	515	2.15	0.27810	0.00830	0.03725	0.00097	0.50266	248.4	6.6	235.7	6.0	357	58	DISC	DISC	5.1	Single Age

Table A2, con't.

IOS1632_16	150	2.52	0.37700	0.02000	0.03675	0.00081	0.29159	321.0	14.0	233.3	5.2	996	95	DISC	DISC	27.3	Single Age
IOS1632_17	329	1.86	0.26680	0.00800	0.03671	0.00083	0.19653	239.4	6.4	232.3	5.2	339	68	232.3	5.2	3.0	Single Age
IOS1632_18	1300	4.32	0.27900	0.01200	0.03760	0.00150	0.64650	248.7	9.0	237.5	9.3	373	68	237.5	9.3	4.5	Single Age
IOS1632_19	282	2.97	0.52800	0.04900	0.04010	0.00250	0.31571	415.0	28.0	253.0	16.0	1410	130	DISC	DISC	39.0	Single Age
IOS1632_20	229	2.59	0.35200	0.01500	0.03885	0.00076	0.41538	304.0	11.0	245.6	4.7	790	79	DISC	DISC	19.2	Single Age
IOS1632_21	59.7	1.87	0.42300	0.03400	0.04010	0.00150	0.34811	349.0	22.0	253.1	9.4	990	140	DISC	DISC	27.5	Single Age
IOS1632_22	275	3.64	0.28500	0.01300	0.03612	0.00083	0.50265	252.8	9.8	228.6	5.2	455	79	DISC	DISC	9.6	Single Age
IOS1632_23	172	1.86	0.27300	0.01000	0.03639	0.00094	0.48233	244.0	7.9	230.3	5.8	367	71	DISC	DISC	5.6	Single Age
IOS1632_24	387	2.66	0.30900	0.00960	0.03850	0.00110	0.44572	273.4	7.6	243.6	6.5	533	69	DISC	DISC	10.9	Single Age
IOS1632_25	124.9	1.92	0.27460	0.00960	0.03728	0.00071	0.27078	245.3	7.6	235.9	4.4	336	74	235.9	4.4	3.8	Single Age
IOS1632_26	192	1.71	0.26450	0.00890	0.03414	0.00086	0.37805	237.4	7.1	216.3	5.4	454	68	DISC	DISC	8.9	Single Age
IOS1632_27	174.2	2.31	0.35800	0.01500	0.03772	0.00081	0.41901	309.0	11.0	238.6	5.0	850	79	DISC	DISC	22.8	Single Age
IOS1632_28	99.7	2.04	0.40200	0.01400	0.03608	0.00080	0.24474	342.0	10.0	228.4	5.0	1196	74	DISC	DISC	33.2	Single Age
IOS1632_29	122.3	2.21	0.45700	0.03000	0.04180	0.00190	0.61088	375.0	20.0	264.0	11.0	1117	97	DISC	DISC	29.6	Single Age
IOS1632_30	113.7	1.20	0.28810	0.00950	0.03588	0.00066	0.29094	256.0	7.5	227.2	4.1	515	71	DISC	DISC	11.3	Single Age
IOS1632_31	164.6	1.90	0.26610	0.00730	0.03605	0.00064	0.29215	239.6	6.0	228.2	4.0	327	59	228.2	4.0	4.8	Single Age
IOS1632_32	351	2.05	0.27440	0.00820	0.03721	0.00086	0.43905	246.2	6.7	235.4	5.3	346	61	235.4	5.3	4.4	Single Age
IOS1632_33	103.5	3.16	0.27200	0.01300	0.03630	0.00150	0.27061	242.0	10.0	229.8	9.1	366	95	DISC	DISC	5.0	Single Age
IOS1632_34	141	2.24	0.63600	0.03500	0.03740	0.00130	0.54579	491.0	21.0	236.8	7.8	1927	84	DISC	DISC	51.8	Single Age
IOS1632_35	555	3.59	0.49700	0.03500	0.03940	0.00200	0.53681	402.0	24.0	249.0	13.0	1330	120	DISC	DISC	38.1	Single Age
IOS1632_36	181	2.42	0.28100	0.01200	0.03690	0.00120	0.47285	250.2	9.5	233.5	7.4	389	84	DISC	DISC	6.7	Single Age
IOS1632_38	151	1.87	0.28300	0.01200	0.03720	0.00130	0.30052	251.1	9.1	235.3	8.2	412	93	DISC	DISC	6.3	Single Age
IOS1632_39	224	1.99	0.31900	0.01200	0.03759	0.00092	0.33656	279.7	9.2	237.8	5.7	633	80	DISC	DISC	15.0	Single Age
IOS1632_43	960	3.94	0.29200	0.01300	0.03770	0.00120	0.20217	258.6	9.6	238.4	7.5	462	95	DISC	DISC	7.8	Single Age
IOS1632_44	299	1.90	0.27810	0.00710	0.03823	0.00083	0.40520	248.6	5.6	241.8	5.2	327	55	241.8	5.2	2.7	Single Age

Table A2, con't.

IOS1632_45	119.2	2.20	0.28400	0.01300	0.03950	0.00110	0.44913	251.7	9.9	249.7	7.0	263	83	249.7	7.0	0.8	Single Age
IOS1632_46	111.2	1.99	0.29700	0.01100	0.03780	0.00099	0.14798	263.4	9.2	239.0	6.1	487	91	DISC	DISC	9.3	Single Age
IOS1632_47	470	3.08	0.32300	0.01300	0.03622	0.00096	0.31328	281.0	9.2	229.3	5.9	718	76	DISC	DISC	18.4	Single Age
IOS1632_48	212	2.66	0.40700	0.02400	0.03790	0.00130	0.45439	342.0	16.0	239.5	8.2	1090	100	DISC	DISC	30.0	Single Age
IOS1632_49	231	2.42	0.35300	0.02200	0.03650	0.00110	0.31219	302.0	16.0	231.1	6.9	840	110	DISC	DISC	23.5	Single Age
IOS1632_51	316	3.25	0.32700	0.01200	0.03930	0.00120	0.51590	285.4	8.8	248.2	7.4	590	72	DISC	DISC	13.0	Single Age
IOS1632_52	309	1.77	0.28600	0.01400	0.03440	0.00110	0.32095	253.0	10.0	218.1	6.7	564	88	DISC	DISC	13.8	Single Age
IOS1632_53	302	1.67	0.25720	0.00670	0.03502	0.00058	0.46236	231.8	5.4	221.9	3.6	330	55	221.9	3.6	4.3	Single Age
IOS1632_54	573	3.42	0.29000	0.01200	0.03820	0.00140	0.61554	257.4	9.0	241.7	8.9	413	70	DISC	DISC	6.1	Single Age
IOS1632_55	311	1.64	0.28820	0.00870	0.03805	0.00065	0.22607	256.3	6.6	240.7	4.0	369	56	DISC	DISC	6.1	Single Age
IOS1632_57	437	3.37	0.31100	0.01200	0.02748	0.00079	0.43850	274.2	8.8	174.7	4.9	1244	70	DISC	DISC	36.3	Single Age
IOS1632_58	184.2	1.74	1.01800	0.05400	0.04240	0.00160	0.63122	703.0	27.0	267.4	9.6	2561	69	DISC	DISC	62.0	Single Age
IOS1632_61	359	2.09	0.37100	0.01300	0.03957	0.00067	0.54435	318.7	9.6	250.1	4.2	866	71	DISC	DISC	21.5	Single Age
IOS1632_62	280	1.93	0.26800	0.01200	0.03640	0.00160	0.45069	240.9	9.8	230.0	9.9	378	91	230.0	9.9	4.5	Single Age
IOS1632_63	104.4	2.21	0.40500	0.02200	0.03850	0.00110	0.30933	341.0	15.0	243.4	7.0	1100	110	DISC	DISC	28.6	Single Age
IOS1632_64	135	1.94	0.28400	0.01600	0.03730	0.00220	0.40139	251.0	13.0	236.0	13.0	410	120	DISC	DISC	6.0	Single Age
IOS1632_65	175	2.69	0.28800	0.01600	0.03820	0.00220	0.53895	254.0	13.0	241.0	13.0	440	110	DISC	DISC	5.1	Single Age
IOS1632_67	234	2.72	0.29400	0.01100	0.03900	0.00120	0.50361	260.6	8.2	246.5	7.5	406	78	DISC	DISC	5.4	Single Age
IOS1632_69	279	2.36	0.27310	0.00880	0.03780	0.00110	0.44038	244.3	6.9	239.0	6.6	305	66	239.0	6.6	2.2	Single Age
IOS1632_70	102.5	2.44	0.51400	0.05800	0.04220	0.00360	0.43883	411.0	36.0	266.0	22.0	1320	220	DISC	DISC	35.3	Single Age
IOS1632_71	83.9	2.26	0.50300	0.02900	0.03870	0.00120	0.40632	409.0	20.0	244.5	7.4	1410	100	DISC	DISC	40.2	Single Age
IOS1632_72	109	2.02	0.28300	0.01200	0.03661	0.00082	0.29458	252.4	9.9	231.7	5.1	420	85	DISC	DISC	8.2	Single Age
IOS1632_73	161	2.32	0.27140	0.00910	0.03490	0.00100	0.21053	242.9	7.2	220.7	6.3	459	84	DISC	DISC	9.1	Single Age
IOS1632_75	333	1.47	0.23680	0.00680	0.03359	0.00058	0.52362	215.2	5.5	212.9	3.6	257	61	212.9	3.6	1.1	Single Age
IOS1632_76	112	1.41	0.27500	0.01000	0.03502	0.00062	0.18463	246.7	8.3	221.8	3.9	437	78	DISC	DISC	10.1	Single Age

Table A2, con't.

IOS1632_77	321	2.18	0.29890	0.00880	0.03665	0.00071	0.25126	265.6	7.0	232.0	4.4	526	63	DISC	DISC	12.7	Single Age
IOS1632_79	271	1.89	0.89000	0.10000	0.04100	0.00120	0.74871	604.0	48.0	259.9	7.3	2110	140	DISC	DISC	57.0	Single Age
IOS1632_82	203.8	1.38	0.28700	0.01100	0.03726	0.00093	0.31076	255.7	8.8	235.7	5.8	397	79	DISC	DISC	7.8	Single Age
IOS1632_83	264.9	1.54	0.27880	0.00750	0.03534	0.00077	0.45798	249.1	5.9	223.8	4.8	459	55	DISC	DISC	10.2	Single Age
IOS1632_88	190	1.48	0.38900	0.02200	0.03557	0.00059	0.29986	329.0	15.0	225.3	3.7	1083	87	DISC	DISC	31.5	Single Age
IOS1632_92	128.1	1.27	0.29810	0.00990	0.03693	0.00061	0.19198	263.8	7.7	233.8	3.8	493	73	DISC	DISC	11.4	Single Age
IOS1632_95	680	3.07	0.35800	0.01300	0.03891	0.00085	0.44812	308.9	9.4	246.0	5.3	759	66	DISC	DISC	20.4	Single Age
IOS1632_97	211	2.91	0.30500	0.01500	0.03560	0.00100	0.71425	268.0	11.0	225.6	6.2	584	79	DISC	DISC	15.8	Single Age
IOS1632_98	90.6	1.86	0.28300	0.01200	0.03449	0.00070	0.14440	251.3	8.9	218.5	4.4	490	81	DISC	DISC	13.1	Single Age
IOS1632_99	63.1	2.15	0.49000	0.02400	0.03811	0.00097	0.18073	403.0	16.0	241.0	6.0	1410	100	DISC	DISC	40.2	Single Age
IOS1632_100	600	3.33	0.49500	0.03100	0.03640	0.00130	0.31768	401.0	19.0	230.1	7.8	1482	99	DISC	DISC	42.6	Single Age
IOS1632_101	182.6	1.60	0.32100	0.01200	0.03555	0.00092	0.35394	281.1	8.8	225.1	5.7	730	76	DISC	DISC	19.9	Single Age
IOS1632_102	163	4.78	0.76600	0.06200	0.04130	0.00160	0.63798	558.0	31.0	260.5	9.8	2028	98	DISC	DISC	53.3	Single Age
IOS1632_103	428	2.72	0.54800	0.03200	0.03980	0.00110	0.71816	437.0	18.0	251.5	6.9	1507	74	DISC	DISC	42.4	Single Age
IOS1632_105	448	4.02	0.52400	0.08300	0.04020	0.00180	0.86538	398.0	39.0	254.0	11.0	1140	150	DISC	DISC	36.2	Single Age
IOS1632_106	1330	5.76	0.36500	0.01700	0.04010	0.00170	0.52359	313.0	12.0	253.0	10.0	783	80	DISC	DISC	19.2	Single Age
IOS1632_107	134.2	1.78	0.34900	0.02700	0.03820	0.00110	0.38818	297.0	18.0	241.4	6.6	670	120	DISC	DISC	18.7	Single Age
IOS1632_109	186.6	2.08	0.26350	0.00890	0.03646	0.00083	0.25568	236.5	7.1	230.8	5.2	268	69	230.8	5.2	2.4	Single Age
IOS1632_110	167	1.96	0.31900	0.01600	0.03930	0.00160	0.33360	279.0	12.0	248.1	9.9	511	87	DISC	DISC	11.1	Single Age
IOS1632_111	238	2.15	0.30800	0.01200	0.03790	0.00100	0.40920	270.8	9.0	239.7	6.4	518	75	DISC	DISC	11.5	Single Age
IOS1632_112	325	3.47	0.29790	0.00990	0.03930	0.00076	0.33429	263.6	7.6	248.4	4.7	356	64	DISC	DISC	5.8	Single Age
IOS1632_113	191	1.55	0.26440	0.00900	0.03714	0.00097	0.41295	237.3	7.2	234.9	6.0	268	69	234.9	6.0	1.0	Single Age
IOS1632_114	73.5	3.01	0.33800	0.01900	0.03990	0.00150	0.12284	292.0	14.0	252.2	9.5	580	120	DISC	DISC	13.6	Single Age
IOS1632_115	123	1.84	0.27900	0.01200	0.03719	0.00094	0.33777	248.3	9.7	235.3	5.8	337	86	DISC	DISC	5.2	Single Age
IOS1632_117	151.4	2.30	0.25000	0.01000	0.03500	0.00110	0.42198	225.0	8.2	221.4	6.9	258	77	221.4	6.9	1.6	Single Age

Table A2, con't.

IOS1632_118	280	2.07	0.32300	0.01600	0.03630	0.00130	0.47370	283.0	13.0	229.4	8.3	720	100	DISC	DISC	18.9	Single Age
IOS1632_119	80.9	2.71	0.77000	0.11000	0.04960	0.00340	0.55840	564.0	56.0	312.0	21.0	1740	210	DISC	DISC	44.7	Single Age
IOS1632_120	378	2.03	0.25950	0.00830	0.03316	0.00089	0.43966	233.4	6.6	210.2	5.5	454	63	DISC	DISC	9.9	Single Age
IOS1632_121	65.3	1.89	1.02500	0.06800	0.04250	0.00140	0.60110	701.0	34.0	268.1	8.6	2514	96	DISC	DISC	61.8	Single Age
IOS1632_122	313	2.99	0.26290	0.00780	0.03650	0.00120	0.51315	236.3	6.2	230.6	7.2	269	64	230.6	7.2	2.4	Single Age
IOS1632_123	80.3	2.02	0.41500	0.02300	0.03538	0.00092	0.38397	348.0	16.0	224.0	5.7	1280	110	DISC	DISC	35.6	Single Age
IOS1632_124	451	3.73	0.29200	0.01200	0.03650	0.00150	0.64149	258.7	9.0	230.9	9.2	524	74	DISC	DISC	10.7	Single Age
IOS1632_125	83.2	1.86	0.68100	0.08900	0.03560	0.00150	0.56397	518.0	54.0	225.6	9.4	1920	190	DISC	DISC	56.4	Single Age
IOS1632_126	850	6.28	0.35500	0.01500	0.03810	0.00140	0.57200	308.0	11.0	240.6	8.7	842	79	DISC	DISC	21.9	Single Age
IOS1632_128	176	2.79	0.28800	0.01100	0.03739	0.00092	0.26725	256.6	8.9	237.3	5.9	411	82	DISC	DISC	7.5	Single Age
IOS1632_129	110.7	2.00	0.29200	0.01100	0.03878	0.00074	0.26268	258.6	8.6	245.2	4.6	386	82	DISC	DISC	5.2	Single Age
IOS1632_131	115.8	1.75	0.31200	0.01700	0.03607	0.00079	0.12807	273.0	13.0	228.3	4.9	650	110	DISC	DISC	16.4	Single Age
IOS1632_132	210	2.30	0.26140	0.00790	0.03723	0.00092	0.34393	235.0	6.3	235.5	5.7	220	63	235.5	5.7	0.2	Single Age
IOS1632_133	151.5	1.52	0.29900	0.01200	0.03761	0.00085	0.39577	264.1	9.0	238.0	5.3	491	77	DISC	DISC	9.9	Single Age
IOS1632_134	144.8	1.94	0.70600	0.06500	0.04250	0.00150	0.48331	523.0	36.0	267.9	9.1	1770	130	DISC	DISC	48.8	Single Age
IOS1632_136	436	2.08	0.27310	0.00680	0.03713	0.00063	0.40317	244.6	5.4	235.0	3.9	330	52	235.0	3.9	3.9	Single Age
IOS1632_138	193	2.20	0.27100	0.01000	0.03720	0.00140	0.38994	243.6	8.3	235.3	8.5	334	83	235.3	8.5	3.4	Single Age
IOS1632_139	144.1	1.84	0.29600	0.01300	0.03810	0.00110	0.27389	261.5	9.6	240.7	7.0	471	91	DISC	DISC	8.0	Single Age

Table A2, con't.

SAMPLE NAME: IOS1633																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1633_1	385	1.77	0.35750	0.00720	0.04898	0.00062	0.43687	309.8	5.4	308.2	3.8	311	41	308.2	3.8	0.5	Single Age
IOS1633_2	298	2.05	0.35320	0.00820	0.04912	0.00084	0.42040	306.4	6.1	309.0	5.2	289	49	309.0	5.2	0.8	Single Age
IOS1633_3	255	1.45	0.37150	0.00880	0.05082	0.00071	0.43435	319.9	6.5	319.5	4.4	312	46	319.5	4.4	0.1	Single Age
IOS1633_4	340	2.57	0.31900	0.01000	0.04550	0.00120	0.52831	281.2	8.0	286.6	7.5	228	60	286.6	7.5	1.9	Single Age
IOS1633_5	293	1.16	0.35850	0.00820	0.04994	0.00073	0.45146	310.4	6.1	314.1	4.5	279	46	314.1	4.5	1.2	Single Age
IOS1633_6	780	2.66	0.37130	0.00790	0.05093	0.00086	0.57961	320.0	5.8	320.1	5.3	315	40	320.1	5.3	0.0	Single Age
IOS1633_7	541	4.15	0.35900	0.00720	0.04963	0.00077	0.65319	311.6	5.2	312.2	4.7	305	32	312.2	4.7	0.2	Single Age
IOS1633_8	353	3.19	0.34500	0.00860	0.04628	0.00092	0.41442	300.2	6.5	291.6	5.7	358	54	291.6	5.7	2.9	Single Age
IOS1633_9	646	2.13	0.34220	0.00800	0.04619	0.00079	0.60489	298.1	6.0	291.0	4.9	340	41	291.0	4.9	2.4	Single Age
IOS1633_10	270	2.76	0.33030	0.00750	0.04535	0.00071	0.37904	290.1	5.5	285.8	4.4	297	51	285.8	4.4	1.5	Single Age
IOS1633_11	424	4.21	0.35990	0.00720	0.04767	0.00069	0.30029	311.6	5.4	300.1	4.2	388	47	300.1	4.2	3.7	Single Age
IOS1633_13	1019	11.04	0.35300	0.00610	0.04666	0.00065	0.57625	307.2	4.5	293.9	4.0	396	33	293.9	4.0	4.3	Single Age
IOS1633_14	632	4.57	0.36990	0.00770	0.04949	0.00092	0.52003	319.0	5.7	311.3	5.7	376	43	311.3	5.7	2.4	Single Age
IOS1633_15	1479	9.40	0.35000	0.00460	0.04596	0.00055	0.53265	304.5	3.4	289.7	3.4	414	27	289.7	3.4	4.9	Single Age
IOS1633_16	1020	10.70	0.07800	0.01300	0.01020	0.00190	0.85051	76.0	13.0	65.0	12.0	460	220	DISC	DISC	14.5	Rim
IOS1633_16	587	2.16	0.34850	0.00660	0.04856	0.00078	0.62800	303.2	5.0	305.6	4.8	279	34	305.6	4.8	0.8	Core
IOS1633_17	314	2.36	0.38220	0.00720	0.04992	0.00066	0.36480	328.9	5.4	314.0	4.1	427	42	314.0	4.1	4.5	Single Age
IOS1633_18	1720	89.00	0.08070	0.00670	0.00650	0.00120	0.61399	78.8	6.3	41.6	7.9	1480	280	DISC	DISC	47.2	Rim
IOS1633_18	369	2.46	0.38000	0.01000	0.04642	0.00070	0.51513	325.9	7.3	292.4	4.3	563	48	DISC	DISC	10.3	Core
IOS1633_19	322	2.54	0.35200	0.00720	0.04744	0.00060	0.48955	305.7	5.4	298.7	3.7	351	41	298.7	3.7	2.3	Single Age
IOS1633_20	443	2.12	0.34990	0.00610	0.04813	0.00046	0.26417	304.3	4.6	303.0	2.9	301	39	303.0	2.9	0.4	Single Age
IOS1633_21	320	2.13	0.36150	0.00740	0.04998	0.00071	0.45296	312.8	5.5	314.3	4.3	294	41	314.3	4.3	0.5	Single Age

Table A2, con't.

IOS1633_22	588	3.52	0.36020	0.00500	0.04925	0.00052	0.41763	312.1	3.7	309.9	3.2	327	29	309.9	3.2	0.7	Single Age
IOS1633_23	213	1.39	0.35050	0.00840	0.04944	0.00064	0.28696	305.1	6.5	311.0	3.9	254	51	311.0	3.9	1.9	Single Age
IOS1633_24	228	2.02	0.37490	0.00840	0.05012	0.00071	0.30615	322.6	6.2	315.2	4.4	365	50	315.2	4.4	2.3	Single Age
IOS1633_25	163.3	1.81	0.45900	0.02500	0.05022	0.00087	0.04994	380.0	16.0	315.8	5.3	760	110	DISC	DISC	16.9	Single Age
IOS1633_26	100	1.72	0.48300	0.02000	0.05110	0.00110	0.01639	397.0	14.0	320.9	6.6	829	95	DISC	DISC	19.2	Single Age
IOS1633_27	323	84.00	0.06110	0.00910	0.00670	0.00130	0.40047	60.2	8.7	43.3	8.6	810	370	DISC	DISC	28.1	Rim
IOS1633_27	77.3	1.38	0.35600	0.01300	0.04934	0.00080	0.17454	309.0	9.4	310.4	4.9	283	76	310.4	4.9	0.5	Core
IOS1633_28	193	1.33	0.36770	0.00930	0.04998	0.00071	0.26365	317.1	6.9	314.3	4.4	328	53	314.3	4.4	0.9	Single Age
IOS1633_29	205.5	2.59	0.37580	0.00950	0.05144	0.00074	0.31607	323.0	7.0	323.3	4.6	308	54	323.3	4.6	0.1	Single Age
IOS1633_30	287	2.68	0.32480	0.00920	0.04446	0.00091	0.37042	284.7	7.0	280.4	5.6	311	58	280.4	5.6	1.5	Single Age
IOS1633_31	207.1	2.10	0.37250	0.00960	0.05088	0.00072	0.07218	320.7	7.1	319.9	4.4	321	60	319.9	4.4	0.2	Single Age
IOS1633_32	419	2.03	0.34890	0.00620	0.04773	0.00053	0.36747	303.4	4.7	300.5	3.2	329	38	300.5	3.2	1.0	Single Age
IOS1633_33	679	2.58	0.37730	0.00660	0.05266	0.00063	0.49981	324.6	4.9	330.8	3.8	273	36	330.8	3.8	1.9	Single Age
IOS1633_34	761	3.77	0.35530	0.00580	0.04747	0.00067	0.45712	308.9	4.5	298.9	4.1	392	36	298.9	4.1	3.2	Single Age
IOS1633_35	327	3.66	0.35240	0.00670	0.04886	0.00056	0.45903	306.1	5.0	307.5	3.5	301	41	307.5	3.5	0.5	Single Age
IOS1633_36	403	1.33	0.47800	0.01100	0.04877	0.00072	0.30720	396.0	7.5	306.9	4.4	947	47	DISC	DISC	22.5	Single Age
IOS1633_37	695	5.52	0.38180	0.00610	0.05093	0.00055	0.44473	328.0	4.5	320.2	3.4	377	33	320.2	3.4	2.4	Single Age
IOS1633_38	225	3.86	0.42100	0.01300	0.05490	0.00130	0.73912	357.5	9.4	344.6	8.0	450	51	344.6	8.0	3.6	Single Age
IOS1633_39	359.9	2.34	0.35790	0.00750	0.04821	0.00072	0.46033	310.7	5.7	303.5	4.4	362	45	303.5	4.4	2.3	Single Age
IOS1633_40	292	3.19	0.38490	0.00940	0.05035	0.00068	0.32318	329.9	6.9	316.6	4.1	415	52	316.6	4.1	4.0	Single Age
IOS1633_41	353	1.88	0.38040	0.00770	0.05171	0.00070	0.39268	326.7	5.6	324.9	4.3	337	43	324.9	4.3	0.6	Single Age
IOS1633_42	343.4	2.72	0.36310	0.00770	0.04952	0.00061	0.44238	314.0	5.7	311.6	3.8	330	43	311.6	3.8	0.8	Single Age
IOS1633_43	1098	2.36	0.37210	0.00550	0.05167	0.00062	0.56165	320.9	4.1	324.7	3.8	295	28	324.7	3.8	1.2	Single Age
IOS1633_44	375	1.67	0.37220	0.00800	0.05218	0.00092	0.50192	320.7	5.9	327.8	5.7	281	42	327.8	5.7	2.2	Single Age
IOS1633_45	1155	2.93	0.36510	0.00580	0.05044	0.00076	0.48111	315.7	4.3	317.2	4.7	310	35	317.2	4.7	0.5	Single Age

Table A2, con't.

IOS1633_46	215	1.55	0.36200	0.01000	0.05060	0.00100	0.48493	312.9	7.6	317.8	6.3	281	54	317.8	6.3	1.6	Single Age
IOS1633_47	349	2.44	0.37800	0.00890	0.05084	0.00068	0.26588	325.0	6.5	319.7	4.2	365	52	319.7	4.2	1.6	Single Age
IOS1633_48	425	2.36	0.34610	0.00780	0.04631	0.00084	0.51806	301.1	5.9	291.8	5.2	383	46	291.8	5.2	3.1	Single Age
IOS1633_49	279	1.64	0.33360	0.00740	0.04555	0.00053	0.21513	291.7	5.6	287.1	3.3	322	52	287.1	3.3	1.6	Single Age
IOS1633_50	1250	6.86	0.36020	0.00670	0.05182	0.00088	0.43263	311.9	5.0	325.6	5.4	210	41	325.6	5.4	4.4	Single Age
IOS1633_201	1210	5.35	0.23800	0.02600	0.03370	0.00400	0.84098	216.0	21.0	213.0	25.0	270	130	DISC	DISC	1.4	Rim
IOS1633_201	342	1.74	0.36500	0.01000	0.04994	0.00095	0.21801	315.2	7.6	314.0	5.8	323	57	314.0	5.8	0.4	Core
IOS1633_202	146.4	2.49	0.37400	0.01400	0.05110	0.00140	0.44142	322.0	11.0	321.0	8.3	329	75	321.0	8.3	0.3	Single Age
IOS1633_203	1064	4.67	0.35860	0.00670	0.04913	0.00076	0.33795	310.8	5.0	309.1	4.7	314	42	309.1	4.7	0.5	Single Age
IOS1633_204	373	4.35	0.36410	0.00900	0.04950	0.00100	0.49763	314.4	6.7	311.2	6.2	330	53	311.2	6.2	1.0	Single Age
IOS1633_205	588	2.90	0.32670	0.00810	0.04391	0.00074	0.44308	286.4	6.2	277.0	4.6	362	48	277.0	4.6	3.3	Single Age
IOS1633_206	877	4.12	0.36830	0.00700	0.05076	0.00077	0.54424	317.9	5.2	319.1	4.7	318	38	319.1	4.7	0.4	Single Age
IOS1633_207	394	2.41	0.38370	0.00830	0.05197	0.00078	0.36467	329.9	6.3	326.5	4.8	347	48	326.5	4.8	1.0	Single Age
IOS1633_208	219.8	1.54	0.36500	0.01000	0.04910	0.00100	0.37827	316.1	7.7	308.9	6.2	357	61	308.9	6.2	2.3	Single Age
IOS1633_210	162.3	1.43	0.36500	0.01300	0.04900	0.00120	0.35368	314.3	9.4	308.4	7.1	347	75	308.4	7.1	1.9	Single Age
IOS1633_211	393	2.14	0.36570	0.00830	0.05176	0.00081	0.28463	316.6	6.0	325.2	5.0	251	51	325.2	5.0	2.7	Single Age
IOS1633_212	244	1.98	0.33900	0.01200	0.04481	0.00099	0.38120	294.7	8.7	282.5	6.1	397	67	282.5	6.1	4.1	Single Age
IOS1633_213	238.4	1.87	0.38600	0.01100	0.04930	0.00100	0.47113	330.6	8.2	310.1	6.4	471	58	DISC	DISC	6.2	Single Age
IOS1633_214	265.8	2.07	0.35040	0.00900	0.04881	0.00088	0.37371	304.2	6.7	307.1	5.4	296	56	307.1	5.4	1.0	Single Age
IOS1633_215	190	2.02	0.35700	0.01000	0.04926	0.00069	0.07112	309.2	7.5	309.9	4.2	298	60	309.9	4.2	0.2	Single Age
IOS1633_216	422	5.41	0.36800	0.01200	0.05210	0.00150	0.31086	318.1	8.9	327.2	9.0	261	77	327.2	9.0	2.9	Rim
IOS1633_216	194.1	5.28	0.45300	0.01100	0.05893	0.00095	0.34739	378.7	7.6	370.0	6.0	439	55	370.0	6.0	2.3	Core
IOS1633_217	181.3	2.72	0.36300	0.01700	0.04960	0.00150	0.28764	313.0	12.0	312.2	9.1	350	100	312.2	9.1	0.3	Rim
IOS1633_217	479	2.78	0.63000	0.01800	0.07780	0.00160	0.57730	495.0	11.0	482.6	9.7	559	51	482.6	9.7	2.5	Core
IOS1633_218	66.2	2.22	0.36000	0.01800	0.05200	0.00140	0.37326	310.0	14.0	326.9	8.3	186	95	DISC	DISC	5.5	Single Age
IOS1633_219	644	4.44	0.34600	0.00710	0.04679	0.00066	0.30480	301.9	5.5	294.7	4.1	344	48	294.7	4.1	2.4	Single Age

Table A2, con't.

IOS1633_220	300	1.96	0.36400	0.01100	0.05160	0.00150	0.48326	314.4	8.5	324.0	9.1	259	66	324.0	9.1	3.1	Single Age
IOS1633_221	524	3.17	0.37200	0.01000	0.04960	0.00110	0.57358	320.3	7.5	311.9	6.5	362	50	311.9	6.5	2.6	Single Age
IOS1633_222	525	2.74	0.38400	0.01100	0.05107	0.00095	0.50842	328.8	7.8	321.0	5.8	387	51	321.0	5.8	2.4	Single Age
IOS1633_223	580	2.45	0.36950	0.00760	0.05042	0.00098	0.43483	318.8	5.6	317.0	6.0	339	47	317.0	6.0	0.6	Single Age
IOS1633_224	218	2.49	0.35990	0.00910	0.05046	0.00088	0.32774	312.2	7.0	317.2	5.4	268	56	317.2	5.4	1.6	Single Age
IOS1633_225	215.2	1.79	0.37800	0.01000	0.04968	0.00088	0.45277	324.4	7.6	313.2	5.6	400	55	313.2	5.6	3.5	Single Age
IOS1633_226	307	2.06	0.35100	0.01000	0.04910	0.00087	0.35202	305.4	7.6	308.9	5.4	282	61	308.9	5.4	1.1	Single Age
IOS1633_227	573	3.56	0.45600	0.01700	0.05940	0.00160	0.73141	380.0	12.0	371.6	9.6	420	55	371.6	9.6	2.2	Single Age
IOS1633_228	220	1.30	0.35650	0.00950	0.05028	0.00099	0.35683	309.7	7.3	316.1	6.1	272	59	316.1	6.1	2.1	Single Age
IOS1633_229	400	4.10	0.37000	0.01800	0.04910	0.00190	0.63459	318.0	13.0	309.0	12.0	383	85	309.0	12.0	2.8	Rim
IOS1633_229	302	5.30	0.68700	0.03400	0.06770	0.00260	0.43619	529.0	21.0	422.0	16.0	1020	100	DISC	DISC	20.2	Core
IOS1633_230	157.5	1.97	0.36500	0.01200	0.05150	0.00120	0.36765	314.7	8.9	323.6	7.2	260	69	323.6	7.2	2.8	Single Age
IOS1633_231	141.6	2.04	0.36900	0.01300	0.05080	0.00094	0.17614	317.4	9.7	319.4	5.8	290	76	319.4	5.8	0.6	Single Age
IOS1633_232	162	1.25	0.38300	0.01200	0.05198	0.00095	0.22862	327.6	8.8	326.6	5.8	328	68	326.6	5.8	0.3	Single Age
IOS1633_233	434	3.22	0.28600	0.02100	0.03570	0.00290	0.55315	254.0	17.0	226.0	18.0	530	130	DISC	DISC	11.0	Rim
IOS1633_233	268.7	2.32	0.36200	0.01000	0.04815	0.00084	0.32514	312.7	7.6	303.1	5.2	373	60	303.1	5.2	3.1	Core
IOS1633_234	182.7	1.89	0.39500	0.01900	0.04710	0.00110	0.16455	337.0	14.0	296.9	6.8	593	96	DISC	DISC	11.9	Single Age
IOS1633_235	214	1.78	0.32200	0.01100	0.04450	0.00100	0.35941	282.0	8.1	280.8	6.2	304	70	280.8	6.2	0.4	Single Age
IOS1633_236	621	4.13	0.37810	0.00790	0.05268	0.00081	0.31791	325.1	5.8	330.9	5.0	277	47	330.9	5.0	1.8	Single Age
IOS1633_237	252	1.67	0.35200	0.01900	0.04540	0.00180	0.44010	305.0	14.0	286.0	11.0	460	110	DISC	DISC	6.2	Single Age
IOS1633_238	331	3.01	0.36370	0.00850	0.05042	0.00083	0.25996	314.3	6.3	317.0	5.1	275	53	317.0	5.1	0.9	Single Age
IOS1633_239	407	3.33	0.37100	0.01200	0.05130	0.00130	0.56752	319.5	8.6	322.5	8.2	286	56	322.5	8.2	0.9	Single Age
IOS1633_240	292	2.02	0.34000	0.01500	0.04660	0.00160	0.54374	296.0	11.0	293.0	10.0	340	80	293.0	10.0	1.0	Single Age
IOS1633_241	498	2.75	0.37380	0.00990	0.05050	0.00110	0.52022	321.6	7.3	317.3	6.5	332	55	317.3	6.5	1.3	Single Age
IOS1633_242	288	9.61	0.82200	0.05700	0.09490	0.00550	0.64128	606.0	32.0	584.0	32.0	670	110	584.0	32.0	3.6	Rim
IOS1633_242	172.9	1.42	1.81800	0.04900	0.17390	0.00320	0.30619	1050.0	18.0	1033.0	18.0	1075	55	1033.0	18.0	1.6	Core

Table A2, con't.

IOS1633_243	160.6	1.64	0.36600	0.01400	0.04890	0.00110	0.26685	316.0	11.0	307.7	6.5	369	84	307.7	6.5	2.6	Single Age
IOS1633_244	211.4	1.34	0.35400	0.01400	0.04814	0.00098	0.44018	307.0	10.0	303.0	6.0	306	77	303.0	6.0	1.3	Single Age
IOS1633_245	525	2.36	0.38800	0.01100	0.05140	0.00130	0.51720	332.0	8.2	323.1	8.2	373	60	323.1	8.2	2.7	Single Age
IOS1633_246	663	3.22	0.39000	0.01500	0.04961	0.00096	0.23418	333.0	10.0	312.0	5.9	442	78	DISC	DISC	6.3	Single Age
IOS1633_247	786	4.04	0.37470	0.00750	0.05171	0.00088	0.58002	322.7	5.5	324.9	5.4	311	40	324.9	5.4	0.7	Single Age
IOS1633_248	255	3.85	0.36670	0.00770	0.05099	0.00080	0.12810	317.4	5.9	320.5	4.9	296	55	320.5	4.9	1.0	Single Age
IOS1633_249	387	1.78	0.36410	0.00880	0.04940	0.00095	0.36322	315.4	6.8	310.8	5.9	319	57	310.8	5.9	1.5	Single Age
IOS1633_250	408	3.58	0.37960	0.00800	0.05196	0.00067	0.37615	326.1	5.9	326.5	4.1	303	44	326.5	4.1	0.1	Single Age
IOS1633_251	306	1.35	0.37330	0.00860	0.05017	0.00082	0.29447	321.4	6.4	315.5	5.0	347	53	315.5	5.0	1.8	Single Age
IOS1633_252	216	2.83	0.36900	0.01100	0.05089	0.00090	0.37112	318.0	7.8	319.9	5.5	279	57	319.9	5.5	0.6	Single Age
IOS1633_253	225	3.82	0.38000	0.01200	0.05035	0.00095	0.23488	326.2	8.5	316.6	5.8	369	67	316.6	5.8	2.9	Single Age
IOS1633_254	247	1.64	0.40600	0.01300	0.05040	0.00110	0.29333	344.6	9.4	316.6	6.6	510	70	DISC	DISC	8.1	Single Age
IOS1633_255	141	2.43	0.38500	0.01600	0.05200	0.00130	0.41002	328.0	12.0	326.3	8.0	313	82	326.3	8.0	0.5	Single Age
IOS1633_256	188	3.06	0.38000	0.01300	0.05280	0.00110	0.22690	325.9	9.2	331.8	6.6	265	67	331.8	6.6	1.8	Single Age
IOS1633_257	139.8	1.88	0.39800	0.01300	0.05400	0.00100	0.34965	339.6	9.9	338.8	6.3	317	68	338.8	6.3	0.2	Single Age
IOS1633_258	214	1.92	0.39000	0.01300	0.05160	0.00130	0.28500	332.8	9.3	323.9	7.7	387	71	323.9	7.7	2.7	Single Age
IOS1633_259	130	4.14	0.40800	0.01500	0.05050	0.00096	0.31798	347.0	11.0	317.5	5.9	506	77	DISC	DISC	8.5	Single Age
IOS1633_260	82.5	1.41	0.35300	0.01400	0.05030	0.00110	0.32871	306.0	11.0	316.3	7.0	227	81	316.3	7.0	3.4	Single Age
IOS1633_261	141.6	1.17	0.44100	0.03200	0.05150	0.00120	0.52778	368.0	22.0	323.9	7.3	620	130	DISC	DISC	12.0	Single Age
IOS1633_262	987	4.62	0.37600	0.01100	0.05150	0.00140	0.61962	323.9	8.6	323.5	8.5	300	50	323.5	8.5	0.1	Single Age
IOS1633_263	315	3.18	0.34200	0.02800	0.04330	0.00170	0.44485	297.0	20.0	273.0	10.0	540	200	DISC	DISC	8.1	Single Age
IOS1633_264	1070	1.95	0.38600	0.01100	0.04966	0.00098	0.47292	330.0	8.0	312.4	6.0	425	55	DISC	DISC	5.3	Single Age
IOS1633_265	630	3.10	0.36730	0.00780	0.05000	0.00083	0.46317	317.9	5.6	314.5	5.1	307	43	314.5	5.1	1.1	Single Age
IOS1633_266	260.9	1.39	0.37000	0.01200	0.05060	0.00120	0.44183	318.1	8.8	317.9	7.6	285	65	317.9	7.6	0.1	Single Age
IOS1633_267	139.1	1.25	0.40000	0.01600	0.05380	0.00130	0.30914	340.0	11.0	337.9	8.1	319	83	337.9	8.1	0.6	Single Age

Table A2, con't.

IOS1633_268	506	2.63	0.37420	0.00800	0.04871	0.00088	0.45084	322.3	5.9	307.3	5.6	417	43	307.3	5.6	4.7	Single Age
IOS1633_269	326	2.04	0.42600	0.01400	0.05009	0.00096	0.44346	358.8	9.9	315.0	5.9	604	61	DISC	DISC	12.2	Single Age
IOS1633_270	434	2.43	0.32700	0.02100	0.04400	0.00220	0.67886	286.0	16.0	278.0	13.0	300	100	278.0	13.0	2.8	Single Age
IOS1633_271	226.7	1.73	0.36600	0.01000	0.04946	0.00087	0.25600	316.8	7.9	311.1	5.3	326	61	311.1	5.3	1.8	Single Age
IOS1633_272	233	1.50	0.38200	0.01100	0.04676	0.00087	0.39587	328.1	8.1	294.5	5.3	523	59	DISC	DISC	10.2	Single Age
IOS1633_273	847	2.47	0.38720	0.00680	0.05325	0.00084	0.49837	331.8	5.0	334.4	5.1	287	38	334.4	5.1	0.8	Single Age
IOS1633_274	984	3.89	0.36120	0.00850	0.04790	0.00100	0.70308	312.5	6.3	301.8	6.2	365	38	301.8	6.2	3.4	Single Age
IOS1633_275	395	2.58	0.39800	0.01900	0.05270	0.00120	0.44934	331.9	9.1	331.1	7.2	306	64	331.1	7.2	0.2	Single Age
IOS1633_276	60.8	1.31	0.36400	0.02000	0.04987	0.00095	0.00632	312.0	14.0	313.7	5.8	260	110	313.7	5.8	0.5	Single Age
IOS1633_277	297	1.74	0.37700	0.01000	0.05150	0.00110	0.41249	323.5	7.5	323.5	6.8	304	57	323.5	6.8	0.0	Single Age
IOS1633_278	300	2.78	0.37810	0.00970	0.04963	0.00091	0.24076	324.8	7.1	312.2	5.6	382	60	312.2	5.6	3.9	Single Age
IOS1633_279	381	2.20	0.37200	0.01000	0.04830	0.00110	0.48200	319.9	7.6	304.3	6.6	399	55	304.3	6.6	4.9	Single Age
IOS1633_280	191.9	2.35	0.36900	0.01200	0.05050	0.00110	0.41604	317.4	9.0	317.4	6.5	298	65	317.4	6.5	0.0	Single Age

SAMPLE NAME: IOS1635																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1635_1	370	1.52	0.36670	0.00780	0.05005	0.00071	0.31692	316.6	5.7	314.8	4.3	306	45	314.8	4.3	0.6	Single Age
IOS1635_2	102	1.64	0.38500	0.01400	0.05300	0.00083	0.13943	329.0	10.0	332.8	5.1	275	74	332.8	5.1	1.2	Single Age
IOS1635_3	400	2.40	0.37440	0.00990	0.05090	0.00110	0.61719	322.0	7.3	319.6	6.6	314	46	319.6	6.6	0.7	Single Age
IOS1635_4	403	2.05	0.36310	0.00960	0.04880	0.00110	0.63011	313.6	7.2	307.1	6.5	337	44	307.1	6.5	2.1	Single Age
IOS1635_5	1170	4.22	0.37100	0.01000	0.04960	0.00120	0.65090	319.6	7.7	311.9	7.1	357	51	311.9	7.1	2.4	Single Age
IOS1635_6	1009	5.16	0.38500	0.01300	0.05030	0.00150	0.78229	328.8	9.6	316.0	9.2	407	46	316.0	9.2	3.9	Single Age
IOS1635_7	920	2.06	0.38700	0.01200	0.05110	0.00063	0.43962	331.0	8.5	321.2	3.9	360	54	321.2	3.9	3.0	Single Age

Table A2, con't.

IOS1635_8	389	2.69	0.36280	0.00860	0.04986	0.00086	0.47006	313.5	6.4	313.6	5.3	302	44	313.6	5.3	0.0	Single Age
IOS1635_9	568	2.23	0.36350	0.00860	0.04961	0.00077	0.56307	314.1	6.4	312.1	4.8	310	42	312.1	4.8	0.6	Single Age
IOS1635_10	774	3.66	0.33800	0.00900	0.04760	0.00120	0.66903	294.9	6.8	299.6	7.5	267	49	299.6	7.5	1.6	Single Age
IOS1635_11	340	1.63	0.37500	0.01100	0.05170	0.00100	0.44637	322.0	7.9	324.5	6.2	310	58	324.5	6.2	0.8	Single Age
IOS1635_12	880	7.40	0.31600	0.02100	0.04230	0.00140	0.61572	278.0	16.0	267.3	8.5	340	110	267.3	8.5	3.8	Rim
IOS1635_12	1340	3.92	0.38210	0.00730	0.05268	0.00062	0.66533	328.2	5.4	330.9	3.8	305	35	330.9	3.8	0.8	Core
IOS1635_13	313	1.22	0.35200	0.01100	0.04910	0.00083	0.36597	305.3	8.3	308.9	5.1	274	63	308.9	5.1	1.2	Rim
IOS1635_13	370	8.40	9.25000	0.39000	0.41700	0.01400	0.69919	2357.0	38.0	2245.0	65.0	2442	36	2442.0	36.0	8.1	Core
IOS1635_14	693	3.46	0.36100	0.01200	0.04900	0.00120	0.68552	313.9	9.6	308.2	7.2	349	57	308.2	7.2	1.8	Rim
IOS1635_14	251	1.88	0.41400	0.02300	0.05580	0.00240	0.72055	349.0	16.0	349.0	15.0	339	79	349.0	15.0	0.0	Core
IOS1635_15	452	1.32	0.36340	0.00780	0.04934	0.00079	0.45156	314.2	5.8	311.1	5.0	334	44	311.1	5.0	1.0	Single Age
IOS1635_16	1375	12.73	0.36020	0.00650	0.04914	0.00063	0.67925	312.0	4.8	309.2	3.9	332	29	309.2	3.9	0.9	Single Age
IOS1635_17	4340	7.63	0.38830	0.00580	0.05300	0.00064	0.74226	332.9	4.2	332.9	3.9	337	23	332.9	3.9	0.0	Single Age
IOS1635_18	292	2.63	0.57700	0.02000	0.05180	0.00120	0.52155	460.0	12.0	325.5	7.3	1180	59	DISC	DISC	29.2	Single Age
IOS1635_19	4060	10.16	0.35350	0.00660	0.04776	0.00083	0.61294	307.0	4.9	300.7	5.1	357	36	300.7	5.1	2.1	Single Age
IOS1635_20	2720	15.42	0.37310	0.00730	0.04960	0.00094	0.67488	321.5	5.4	312.0	5.8	389	34	312.0	5.8	3.0	Single Age
IOS1635_21	529	2.81	0.38600	0.01100	0.04710	0.00110	0.49141	330.1	8.1	296.3	6.8	561	47	DISC	DISC	10.2	Single Age
IOS1635_22	572	1.94	0.36040	0.00690	0.04963	0.00081	0.57818	312.1	5.1	312.2	5.0	304	36	312.2	5.0	0.0	Single Age
IOS1635_23	626	3.36	0.40200	0.00950	0.05229	0.00095	0.58686	342.4	6.8	328.5	5.8	432	43	328.5	5.8	4.1	Single Age
IOS1635_24	4200	8.37	0.36680	0.00660	0.05005	0.00079	0.79231	316.9	4.9	314.8	4.9	329	25	314.8	4.9	0.7	Single Age
IOS1635_25	1140	4.45	0.37880	0.00910	0.05071	0.00099	0.78183	325.4	6.7	318.8	6.1	359	33	318.8	6.1	2.0	Single Age
IOS1635_26	3460	4.15	0.34320	0.00570	0.04570	0.00067	0.74667	299.3	4.3	288.0	4.1	366	25	288.0	4.1	3.8	Single Age
IOS1635_27	690	2.64	0.38600	0.01100	0.05010	0.00120	0.45623	330.3	7.9	315.0	7.2	426	56	315.0	7.2	4.6	Single Age
IOS1635_28	569	2.33	0.36450	0.00900	0.04976	0.00087	0.56961	314.8	6.7	312.9	5.4	314	46	312.9	5.4	0.6	Single Age
IOS1635_29	688	2.51	0.43200	0.02200	0.05125	0.00067	0.08975	357.0	12.0	322.1	4.1	545	67	DISC	DISC	9.8	Single Age
IOS1635_30	2070	3.32	0.36790	0.00640	0.05042	0.00066	0.73918	317.7	4.8	317.0	4.0	319	27	317.0	4.0	0.2	Single Age

Table A2, con't.

IOS1635_31	1280	7.00	0.41500	0.01200	0.05288	0.00080	0.49987	351.3	8.8	332.1	4.9	474	55	DISC	DISC	5.5	Single Age
IOS1635_32	918	4.62	0.36890	0.00700	0.05024	0.00093	0.74288	318.3	5.2	315.9	5.7	336	30	315.9	5.7	0.8	Single Age
IOS1635_33	241	2.21	0.39900	0.01700	0.05270	0.00099	0.04414	335.7	9.1	331.0	6.0	351	57	331.0	6.0	1.4	Single Age
IOS1635_34	4630	9.19	0.48300	0.03300	0.04860	0.00140	0.42675	394.0	21.0	305.8	8.8	890	110	DISC	DISC	22.4	Single Age
IOS1635_35	2339	3.55	0.37400	0.00700	0.04997	0.00081	0.68312	322.1	5.1	314.3	5.0	370	30	314.3	5.0	2.4	Single Age
IOS1635_36	697	4.13	0.39090	0.00990	0.05200	0.00110	0.62408	334.5	7.2	326.4	7.0	386	39	326.4	7.0	2.4	Single Age
IOS1635_37	2233	2.61	0.37550	0.00800	0.04870	0.00100	0.71499	323.2	5.9	306.5	6.2	446	35	DISC	DISC	5.2	Single Age
IOS1635_38	2690	4.98	0.36900	0.01800	0.04940	0.00230	0.55134	318.0	13.0	314.0	15.0	351	71	314.0	15.0	1.3	Rim
IOS1635_38	310	3.00	0.41600	0.01900	0.05730	0.00210	0.59443	352.0	14.0	359.0	13.0	302	81	359.0	13.0	2.0	Core
IOS1635_39	1509	3.59	0.35510	0.00600	0.04870	0.00064	0.47473	308.2	4.5	306.5	3.9	330	32	306.5	3.9	0.6	Single Age
IOS1635_40	927	3.75	0.38000	0.00970	0.05290	0.00120	0.73700	326.1	7.1	331.9	7.2	285	34	331.9	7.2	1.8	Single Age
IOS1635_41	3530	6.47	0.35810	0.00750	0.04877	0.00096	0.71375	310.4	5.6	306.9	5.9	333	34	306.9	5.9	1.1	Single Age
IOS1635_42	330	1.12	0.36560	0.00930	0.05071	0.00086	0.35786	315.9	6.9	318.8	5.3	291	53	318.8	5.3	0.9	Single Age
IOS1635_43	267	2.64	0.38900	0.01000	0.05288	0.00095	0.59048	332.9	7.3	332.1	5.8	331	45	332.1	5.8	0.2	Single Age
IOS1635_44	1790	3.59	0.34830	0.00670	0.04801	0.00087	0.70973	303.0	5.0	302.2	5.4	311	32	302.2	5.4	0.3	Single Age
IOS1635_45	350	2.04	0.37300	0.01100	0.05057	0.00077	0.35275	320.4	8.0	317.9	4.7	336	56	317.9	4.7	0.8	Single Age
IOS1635_46	2380	4.31	0.34220	0.00610	0.04673	0.00079	0.67190	298.5	4.6	294.3	4.9	322	32	294.3	4.9	1.4	Single Age
IOS1635_47	771	4.11	0.37400	0.01300	0.04930	0.00160	0.39390	321.2	9.3	310.2	9.7	401	58	310.2	9.7	3.4	Single Age
IOS1635_48	356	3.08	0.35800	0.01000	0.04970	0.00100	0.43580	309.3	7.6	312.6	6.4	288	56	312.6	6.4	1.1	Single Age
IOS1635_49	2120	5.76	0.37000	0.01000	0.04970	0.00130	0.41924	319.0	7.3	312.5	8.0	378	46	312.5	8.0	2.0	Single Age
IOS1635_50	1830	5.83	0.35750	0.00770	0.04890	0.00110	0.43611	310.0	5.7	307.4	6.5	334	39	307.4	6.5	0.8	Rim
IOS1635_50	140	1.90	0.40000	0.01900	0.05420	0.00160	0.23573	341.0	14.0	340.1	9.7	340	100	340.1	9.7	0.3	Core

Table A2, con't.

SAMPLE NAME: IOS1636																	
GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1636_1	129.1	2.16	0.36270	0.00930	0.05021	0.00058	0.19372	313.4	6.9	315.8	3.6	291	58	315.8	3.6	0.8	Single Age
IOS1636_2	225	1.43	0.37140	0.00750	0.05068	0.00049	0.12676	320.1	5.6	318.7	3.0	325	46	318.7	3.0	0.4	Single Age
IOS1636_3	168	1.40	0.35780	0.00980	0.04991	0.00052	0.22011	309.6	7.3	313.9	3.2	263	58	313.9	3.2	1.4	Single Age
IOS1636_4	660	7.50	0.31600	0.01200	0.04310	0.00130	0.66091	278.7	9.3	272.2	7.8	332	67	272.2	7.8	2.3	Rim
IOS1636_4	538	2.81	0.38790	0.00710	0.05327	0.00065	0.51875	332.5	5.2	334.5	4.0	307	37	334.5	4.0	0.6	Core
IOS1636_5	144	1.30	0.33900	0.04500	0.04760	0.00130	0.08360	295.0	34.0	299.6	7.7	260	280	299.6	7.7	1.6	Rim
IOS1636_5	228	8.01	0.37700	0.01000	0.05222	0.00078	0.08653	324.1	7.4	328.1	4.8	287	64	328.1	4.8	1.2	Rim
IOS1636_5	170.7	5.47	0.56300	0.02100	0.07000	0.00120	0.31363	452.0	14.0	436.2	7.2	547	74	436.2	7.2	3.5	Core
IOS1636_6	299	1.30	0.36960	0.00710	0.05057	0.00049	0.20785	319.7	5.4	318.0	3.0	324	42	318.0	3.0	0.5	Single Age
IOS1636_7	1080	2.31	0.37310	0.00490	0.05139	0.00047	0.49906	321.7	3.6	323.0	2.9	307	26	323.0	2.9	0.4	Single Age
IOS1636_8	732	3.53	0.35760	0.00690	0.04918	0.00062	0.32665	310.3	5.2	309.5	3.8	318	48	309.5	3.8	0.3	Rim
IOS1636_8	100.1	1.60	0.35700	0.01400	0.05054	0.00077	0.17282	311.0	11.0	317.8	4.7	256	88	317.8	4.7	2.2	Core
IOS1636_9	323	1.20	0.36720	0.00660	0.05031	0.00043	0.26463	317.2	4.9	316.4	2.7	311	40	316.4	2.7	0.3	Single Age
IOS1636_10	378	1.53	0.37870	0.00620	0.05107	0.00053	0.23445	325.7	4.5	321.1	3.3	354	36	321.1	3.3	1.4	Single Age
IOS1636_11	910	6.71	0.30940	0.00860	0.04267	0.00069	0.22523	273.5	6.7	269.3	4.3	306	63	269.3	4.3	1.5	Rim
IOS1636_11	2880	5.95	0.37960	0.00470	0.05219	0.00042	0.62683	326.6	3.5	327.9	2.6	320	24	327.9	2.6	0.4	Core
IOS1636_12	623	6.72	0.36460	0.00760	0.05109	0.00065	0.01237	315.5	5.6	321.2	4.0	274	56	321.2	4.0	1.8	Rim
IOS1636_12	146.9	1.53	0.91000	0.02500	0.10820	0.00130	0.01480	659.0	13.0	662.1	7.6	626	68	662.1	7.6	0.5	Core
IOS1636_13	185	1.34	0.36930	0.00830	0.05078	0.00056	0.23155	318.4	6.1	319.3	3.4	307	47	319.3	3.4	0.3	Single Age
IOS1636_14	448	2.07	0.35840	0.00570	0.04947	0.00052	0.35789	310.7	4.2	311.2	3.2	304	35	311.2	3.2	0.2	Single Age
IOS1636_15	240.3	1.96	0.36570	0.00670	0.04993	0.00051	0.19010	316.0	5.0	314.0	3.1	326	42	314.0	3.1	0.6	Single Age
IOS1636_16	2120	3.29	0.37750	0.00490	0.05164	0.00042	0.21594	325.0	3.6	324.5	2.6	325	27	324.5	2.6	0.2	Single Age
IOS1636_17	211.4	1.54	0.34470	0.00690	0.04784	0.00044	0.28393	300.3	5.2	301.2	2.7	290	43	301.2	2.7	0.3	Single Age

Table A2, con't.

IOS1636_18	199	1.14	0.37020	0.00800	0.05096	0.00054	0.19764	319.2	5.9	320.4	3.3	303	48	320.4	3.3	0.4	Single Age
IOS1636_19	1650	5.07	0.36930	0.00570	0.05095	0.00056	0.51204	319.0	4.2	320.3	3.4	321	33	320.3	3.4	0.4	Rim
IOS1636_19	1081	6.03	0.57700	0.02300	0.06770	0.00110	0.48576	462.0	15.0	422.0	6.9	657	72	DISC	DISC	8.7	Core
IOS1636_20	1077	2.52	0.36990	0.00370	0.05017	0.00040	0.42402	319.4	2.8	315.5	2.5	346	22	315.5	2.5	1.2	Single Age
IOS1636_21	393	1.24	0.36960	0.00610	0.05029	0.00047	0.28354	319.6	4.4	316.3	2.9	335	36	316.3	2.9	1.0	Single Age
IOS1636_22	177	1.58	0.38010	0.00930	0.05083	0.00051	0.30195	326.2	6.9	319.6	3.1	364	51	319.6	3.1	2.0	Single Age
IOS1636_23	232	1.80	0.38800	0.01300	0.05313	0.00067	0.21213	332.0	10.0	333.7	4.1	327	60	333.7	4.1	0.5	Single Age
IOS1636_24	342	2.40	0.37130	0.00650	0.05119	0.00050	0.24000	320.2	4.8	321.8	3.0	309	40	321.8	3.0	0.5	Single Age
IOS1636_25	55.4	1.51	0.38700	0.01800	0.05053	0.00066	0.02544	329.0	13.0	317.7	4.1	393	88	317.7	4.1	3.4	Single Age
IOS1636_26	240.1	1.85	0.37490	0.00760	0.05168	0.00047	0.35723	322.7	5.6	324.8	2.9	306	43	324.8	2.9	0.7	Single Age
IOS1636_27	328	2.70	0.39110	0.00780	0.05325	0.00057	0.28550	334.6	5.6	334.4	3.5	319	44	334.4	3.5	0.1	Single Age
IOS1636_28	484	3.26	0.34610	0.00610	0.04732	0.00054	0.51715	301.5	4.6	298.0	3.3	325	34	298.0	3.3	1.2	Single Age
IOS1636_29	336	1.54	0.36630	0.00660	0.05042	0.00050	0.17862	316.5	4.9	317.1	3.1	311	43	317.1	3.1	0.2	Single Age
IOS1636_30	333	2.07	0.37010	0.00620	0.05072	0.00041	0.30484	319.4	4.6	318.9	2.5	319	37	318.9	2.5	0.2	Single Age
IOS1636_31	156	1.94	0.37600	0.01100	0.05187	0.00076	0.20218	322.8	8.0	326.0	4.6	283	61	326.0	4.6	1.0	Single Age
IOS1636_32	274	1.86	0.38350	0.00750	0.05236	0.00048	0.32216	329.0	5.5	329.4	3.0	333	39	329.4	3.0	0.1	Single Age
IOS1636_33	636	2.78	0.37110	0.00570	0.05059	0.00054	0.17098	320.1	4.2	318.1	3.3	327	31	318.1	3.3	0.6	Single Age
IOS1636_34	378	1.88	0.39490	0.00860	0.05128	0.00040	0.48018	338.1	6.3	322.3	2.5	429	43	322.3	2.5	4.7	Single Age
IOS1636_35	378	1.61	0.37490	0.00710	0.05033	0.00046	0.18440	322.8	5.2	316.5	2.8	350	40	316.5	2.8	2.0	Single Age
IOS1636_36	740	2.35	0.37490	0.00670	0.05111	0.00048	0.45955	322.9	5.0	321.3	2.9	328	36	321.3	2.9	0.5	Single Age
IOS1636_37	494	3.36	0.37190	0.00520	0.05112	0.00043	0.25564	320.8	3.9	321.4	2.7	303	31	321.4	2.7	0.2	Single Age
IOS1636_38	191.8	1.64	0.37930	0.00860	0.05073	0.00054	0.16355	326.8	6.6	319.0	3.3	366	52	319.0	3.3	2.4	Single Age
IOS1636_39	148	1.91	0.37000	0.01300	0.05038	0.00059	0.05692	318.5	9.7	316.8	3.6	322	70	316.8	3.6	0.5	Single Age
IOS1636_40	342	1.40	0.37890	0.00790	0.05111	0.00055	0.39381	325.6	5.8	321.3	3.4	345	40	321.3	3.4	1.3	Single Age
IOS1636_41	367	1.99	0.37690	0.00760	0.05104	0.00053	0.33819	324.2	5.6	320.9	3.2	334	42	320.9	3.2	1.0	Single Age

Table A2, con't.

IOS1636_42	1284	4.43	0.38380	0.00710	0.05227	0.00082	0.63009	330.6	5.5	328.4	5.0	337	35	328.4	5.0	0.7	Single Age
IOS1636_43	377	1.91	0.39220	0.00970	0.05270	0.00076	0.35776	335.3	7.0	331.0	4.6	352	47	331.0	4.6	1.3	Single Age
IOS1636_44	158	1.51	0.36900	0.01000	0.05055	0.00053	0.17943	319.2	7.3	318.3	3.2	311	59	318.3	3.2	0.3	Single Age
IOS1636_45	436	1.65	0.36420	0.00550	0.04977	0.00050	0.42788	315.0	4.1	313.1	3.1	322	32	313.1	3.1	0.6	Single Age
IOS1636_46	570	3.61	0.38620	0.00760	0.05236	0.00055	0.02913	331.1	5.5	328.9	3.4	323	49	328.9	3.4	0.7	Single Age
IOS1636_47	204	2.08	0.37650	0.00780	0.05178	0.00046	0.29665	323.8	5.8	325.4	2.8	295	44	325.4	2.8	0.5	Single Age
IOS1636_48	455	3.42	0.37400	0.01200	0.04685	0.00073	0.45393	322.1	8.8	295.1	4.5	505	63	DISC	DISC	8.4	Single Age
IOS1636_49	3360	3.86	0.36980	0.00280	0.05025	0.00034	0.57541	319.4	2.1	316.0	2.1	333	16	316.0	2.1	1.1	Single Age
IOS1636_50	1037	2.91	0.36900	0.01100	0.05083	0.00094	0.68320	318.6	7.9	319.6	5.8	323	47	319.6	5.8	0.3	Rim
IOS1636_50	105.1	1.61	0.40300	0.01200	0.05524	0.00096	0.17376	342.6	8.8	346.5	5.9	302	58	346.5	5.9	1.1	Core

SAMPLE NAME: IOS1637

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1637_1	27.44	0.82	0.37700	0.02100	0.05220	0.00110	0.24236	322.0	16.0	327.9	6.6	250	110	327.9	6.6	1.8	Single Age
IOS1637_2	361	1.69	0.36220	0.00620	0.05028	0.00051	0.24424	313.5	4.6	316.2	3.1	273	38	316.2	3.1	0.9	Single Age
IOS1637_3	1130	46.00	0.40400	0.01600	0.05400	0.00210	0.57397	344.0	12.0	339.0	13.0	379	78	339.0	13.0	1.5	Rim
IOS1637_3	32.6	0.39	0.76400	0.03900	0.09520	0.00160	0.14283	574.0	22.0	586.2	9.5	490	100	586.2	9.5	2.1	Core
IOS1637_4	52.1	3.15	0.46300	0.09000	0.06140	0.00170	0.02416	377.0	52.0	384.0	11.0	370	320	384.0	11.0	1.9	Rim
IOS1637_4	169	11.75	0.71200	0.01900	0.08840	0.00200	0.35664	545.0	11.0	546.0	12.0	533	65	546.0	12.0	0.2	Core
IOS1637_5	30.2	0.76	0.38500	0.02000	0.05320	0.00110	0.00620	327.0	15.0	334.0	6.6	280	110	334.0	6.6	2.1	Single Age
IOS1637_6	40.2	1.02	0.37600	0.02000	0.05110	0.00095	0.13862	321.0	15.0	321.2	5.8	320	110	321.2	5.8	0.1	Rim
IOS1637_6	55.5	1.47	1.03800	0.04200	0.11540	0.00380	0.47927	723.0	21.0	704.0	22.0	770	140	704.0	22.0	2.6	Core
IOS1637_7	498	12.80	0.37200	0.01500	0.05080	0.00100	0.30598	321.0	11.0	319.5	6.1	320	90	319.5	6.1	0.5	Rim
IOS1637_7	60.9	1.16	0.37400	0.01600	0.05138	0.00088	0.05665	321.0	12.0	322.9	5.4	289	94	322.9	5.4	0.6	Core
IOS1637_8	860	159.00	0.37250	0.00790	0.05060	0.00079	0.37476	321.4	5.9	318.2	4.9	338	47	318.2	4.9	1.0	Rim

Table A2, con't.

IOS1637_8	62.6	0.81	0.87900	0.03400	0.10450	0.00160	0.14814	638.0	18.0	640.4	9.3	606	84	640.4	9.3	0.4	Core
IOS1637_9	970	91.00	0.38100	0.01400	0.05240	0.00140	0.35109	328.0	10.0	329.4	8.5	310	84	329.4	8.5	0.4	Rim
IOS1637_9	195.2	1.85	0.95300	0.01400	0.11041	0.00095	0.39849	678.9	7.0	675.0	5.5	683	29	675.0	5.5	0.6	Core
IOS1637_10	58.1	0.62	0.35700	0.01500	0.04831	0.00086	0.04391	309.0	11.0	304.1	5.3	335	96	304.1	5.3	1.6	Single Age
IOS1637_11	615	47.90	0.58200	0.02500	0.07270	0.00520	0.83837	465.0	16.0	452.0	31.0	536	91	452.0	31.0	2.8	Rim
IOS1637_11	1119	4.82	6.09000	0.19000	0.27350	0.00710	0.97266	1976.0	27.0	1555.0	36.0	2460	14	DISC	DISC	36.8	Core
IOS1637_12	907	87.00	0.37600	0.01400	0.05200	0.00100	0.44382	324.0	10.0	327.1	6.3	292	76	327.1	6.3	1.0	Rim
IOS1637_12	181	5.83	0.85100	0.01700	0.09192	0.00097	0.26026	623.9	9.3	566.8	5.7	819	38	DISC	DISC	9.2	Core
IOS1637_13	111	8.80	0.45500	0.02300	0.06110	0.00140	0.12022	378.0	16.0	382.4	8.3	350	110	382.4	8.3	1.2	Single Age
IOS1637_14	377	10.21	0.49800	0.07200	0.05930	0.00280	0.24972	408.0	45.0	372.0	17.0	590	230	DISC	DISC	8.8	Rim
IOS1637_14	47.5	1.45	0.57000	0.03400	0.07620	0.00230	0.26603	456.0	22.0	473.0	14.0	360	120	473.0	14.0	3.7	Core
IOS1637_15	674	56.00	0.35400	0.02000	0.04960	0.00390	0.00061	307.0	15.0	312.0	24.0	290	180	312.0	24.0	1.6	Rim
IOS1637_15	439	1.58	0.72070	0.00920	0.08854	0.00080	0.44306	550.6	5.4	546.9	4.7	561	26	546.9	4.7	0.7	Core
IOS1637_16	26.73	0.85	0.36800	0.01900	0.04953	0.00088	0.04158	318.0	15.0	312.2	5.6	350	110	312.2	5.6	1.8	Single Age
IOS1637_17	979	20.20	0.37000	0.01400	0.04970	0.00110	0.19103	319.0	10.0	312.9	6.9	367	85	312.9	6.9	1.9	Rim
IOS1637_17	1225	3.25	0.85900	0.01600	0.09190	0.00110	0.67407	629.9	9.0	566.7	6.7	860	28	DISC	DISC	10.0	Core
IOS1637_18	528	2.00	0.91400	0.01400	0.10690	0.00120	0.54162	658.9	7.2	654.7	6.8	671	27	654.7	6.8	0.6	Single Age
IOS1637_19	477	17.50	0.37600	0.02200	0.04980	0.00210	0.56285	324.0	16.0	313.0	13.0	400	110	313.0	13.0	3.4	Rim
IOS1637_19	400	4.04	0.47800	0.01300	0.06230	0.00100	0.59771	396.3	8.9	389.6	6.2	432	50	389.6	6.2	1.7	Rim
IOS1637_19	147.5	0.91	0.80900	0.01700	0.09970	0.00130	0.05102	601.5	9.6	612.7	7.5	554	52	612.7	7.5	1.9	Core
IOS1637_20	88	8.00	0.40800	0.02400	0.05250	0.00130	0.23986	354.0	18.0	329.6	8.1	460	120	DISC	DISC	6.9	Single Age
IOS1637_21	29.9	2.06	0.74500	0.04600	0.09400	0.00290	0.12775	562.0	26.0	579.0	17.0	480	140	579.0	17.0	3.0	Single Age
IOS1637_22	1040	127.00	0.38800	0.01100	0.05312	0.00092	0.30975	332.5	8.5	333.6	5.6	320	63	333.6	5.6	0.3	Single Age
IOS1637_23	1380	8.60	0.39990	0.00660	0.05247	0.00057	0.48962	341.1	4.7	329.6	3.5	413	28	329.6	3.5	3.4	Single Age
IOS1637_24	26	0.82	0.38600	0.02200	0.05320	0.00130	0.14617	330.0	17.0	334.0	8.2	290	110	334.0	8.2	1.2	Single Age
IOS1637_25	720	72.00	0.38800	0.01600	0.05350	0.00240	0.85059	332.0	12.0	336.0	15.0	313	58	336.0	15.0	1.2	Rim
IOS1637_25	1257	23.10	1.11200	0.04800	0.12070	0.00410	0.95467	754.0	24.0	734.0	24.0	817	32	734.0	24.0	2.7	Rim
IOS1637_25	401	1.14	3.63000	0.15000	0.23940	0.00780	0.91364	1553.0	32.0	1383.0	40.0	1795	30	1795.0	30.0	23.0	Core

Table A2, con't.

IOS1637_26	333	29.29	0.36540	0.00600	0.05069	0.00035	0.27061	315.9	4.5	318.7	2.1	290	36	318.7	2.1	0.9	Single Age
IOS1637_27	400	34.10	0.38200	0.01800	0.05190	0.00100	0.12510	328.0	13.0	326.0	6.1	330	110	326.0	6.1	0.6	Rim
IOS1637_27	315.2	6.04	4.32100	0.07000	0.28580	0.00390	0.87806	1695.0	13.0	1623.0	19.0	1792	14	1792.0	14.0	9.4	Core
IOS1637_28	23.4	1.15	0.40100	0.02500	0.05510	0.00130	0.11452	336.0	18.0	345.3	8.0	270	120	345.3	8.0	2.8	Single Age
IOS1637_29	1210	25.20	0.37820	0.00490	0.05194	0.00067	0.39255	325.7	3.6	326.4	4.1	324	33	326.4	4.1	0.2	Rim
IOS1637_29	753	2.10	0.50890	0.00620	0.06609	0.00055	0.16706	417.6	4.2	412.6	3.3	444	31	412.6	3.3	1.2	Core
IOS1637_30	84	2.81	0.54800	0.02900	0.06880	0.00300	0.56112	443.0	19.0	429.0	18.0	520	110	429.0	18.0	3.2	Single Age
IOS1637_31	283	10.30	0.37000	0.02000	0.05060	0.00120	0.16258	319.0	15.0	318.4	7.3	310	110	318.4	7.3	0.2	Rim
IOS1637_31	245	24.90	0.45900	0.01600	0.06060	0.00170	0.65394	383.0	11.0	379.0	10.0	405	61	379.0	10.0	1.0	Rim
IOS1637_31	257	4.45	0.59300	0.01900	0.07370	0.00160	0.70252	472.0	12.0	458.1	9.3	532	48	458.1	9.3	2.9	Core
IOS1637_32	26.5	0.91	0.37700	0.02100	0.05076	0.00099	0.05276	321.0	16.0	319.1	6.1	320	110	319.1	6.1	0.6	Single Age
IOS1637_33	209	2.30	0.43000	0.01600	0.05830	0.00110	0.56832	362.0	11.0	365.5	6.4	329	66	365.5	6.4	1.0	Single Age
IOS1637_34	528	32.70	0.39000	0.01000	0.05170	0.00100	0.24156	334.0	7.6	325.1	6.2	397	54	325.1	6.2	2.7	Rim
IOS1637_34	25.57	0.78	0.41500	0.02400	0.05450	0.00130	0.11225	350.0	17.0	342.2	8.0	390	120	342.2	8.0	2.2	Core
IOS1637_35	52.3	0.89	0.36700	0.01800	0.05170	0.00100	0.24865	314.0	13.0	324.9	6.3	229	94	324.9	6.3	3.5	Single Age
IOS1637_36	479	23.20	0.38030	0.00750	0.05185	0.00063	0.46066	326.9	5.5	325.8	3.8	341	42	325.8	3.8	0.3	Rim
IOS1637_36	383	5.17	0.44300	0.01500	0.05876	0.00094	0.58801	372.0	11.0	368.0	5.7	391	62	368.0	5.7	1.1	Core
IOS1637_37	4400	3.54	0.32700	0.01700	0.04040	0.00220	0.90242	287.0	13.0	255.0	14.0	562	50	DISC	DISC	11.1	Rim
IOS1637_37	62	1.11	0.45900	0.03200	0.05840	0.00180	0.46564	379.0	22.0	365.0	11.0	420	120	365.0	11.0	3.7	Core
IOS1637_38	174	1.09	0.34820	0.00820	0.04828	0.00045	0.15599	302.6	6.2	303.9	2.8	296	52	303.9	2.8	0.4	Single Age
IOS1637_39	173	3.32	0.41900	0.01400	0.05835	0.00095	0.35155	354.2	9.9	365.5	5.8	280	67	365.5	5.8	3.2	Single Age
IOS1637_40	771	74.00	0.36300	0.01500	0.04980	0.00160	0.56570	314.0	11.0	313.0	10.0	326	83	313.0	10.0	0.3	Rim
IOS1637_40	199	3.12	8.68000	0.49000	0.38500	0.01700	0.98314	2264.0	54.0	2085.0	80.0	2459	28	2459.0	28.0	15.2	Core
IOS1637_41	720	21.10	0.37400	0.01800	0.05200	0.00120	0.42032	322.0	13.0	326.8	7.6	287	95	326.8	7.6	1.5	Rim
IOS1637_41	272	2.71	0.84500	0.01100	0.10053	0.00090	0.17492	621.4	5.8	617.4	5.3	633	31	617.4	5.3	0.6	Core
IOS1637_42	385	28.40	0.35510	0.00610	0.04953	0.00044	0.38196	308.2	4.6	311.6	2.7	284	36	311.6	2.7	1.1	Single Age
IOS1637_43	772	49.70	0.91700	0.01100	0.10810	0.00110	0.41259	660.3	5.6	661.6	6.2	660	24	661.6	6.2	0.2	Rim
IOS1637_43	559	8.40	1.17200	0.02400	0.12800	0.00160	0.54810	787.0	11.0	776.3	9.0	821	36	776.3	9.0	1.4	Core

Table A2, con't.

IOS1637_44	30.6	0.54	0.37600	0.02100	0.05082	0.00097	0.06651	321.0	15.0	319.4	6.0	320	110	319.4	6.0	0.5	Single Age
IOS1637_45	956	22.30	0.37700	0.01200	0.05110	0.00120	0.22235	324.5	9.0	321.1	7.3	346	67	321.1	7.3	1.0	Rim
IOS1637_45	514	1.27	0.70690	0.00970	0.08687	0.00080	0.11772	542.5	5.7	537.0	4.7	567	26	537.0	4.7	1.0	Core
IOS1637_46	349.4	28.90	0.42200	0.04800	0.05040	0.00100	0.27201	355.0	31.0	317.2	6.3	570	160	DISC	DISC	10.6	Rim
IOS1637_46	296	4.70	0.66700	0.02700	0.07970	0.00160	0.44132	518.0	17.0	494.6	9.4	621	81	494.6	9.4	4.5	Core
IOS1637_47	377	39.20	0.38000	0.02300	0.05056	0.00095	0.04836	326.0	16.0	317.9	5.8	370	110	317.9	5.8	2.5	Rim
IOS1637_47	202.8	1.38	0.76500	0.01400	0.09362	0.00085	0.25665	575.9	8.1	576.9	5.0	571	39	576.9	5.0	0.2	Core
IOS1637_48	327	4.70	0.45600	0.01500	0.04979	0.00048	0.48225	381.0	11.0	313.2	3.0	820	65	DISC	DISC	17.8	Single Age
IOS1637_49	47	2.24	0.33000	0.04000	0.04460	0.00180	0.11512	293.0	33.0	281.0	11.0	280	230	281.0	11.0	4.1	Rim
IOS1637_49	143.4	4.31	0.51100	0.01200	0.06800	0.00100	0.34088	421.3	8.2	423.9	6.2	412	51	423.9	6.2	0.6	Core
IOS1637_50	588	1.50	4.79600	0.05200	0.31820	0.00330	0.78384	1782.8	9.0	1780.0	16.0	1791	12	1791.0	12.0	0.6	Single Age
IOS1637_51	175	1.91	0.39800	0.01600	0.05390	0.00130	0.49200	339.0	12.0	339.3	8.0	319	75	339.3	8.0	0.1	Single Age
IOS1637_52	7400	146.00	0.38200	0.01200	0.04520	0.00150	0.62789	328.2	9.2	284.8	9.2	658	62	DISC	DISC	13.2	Rim
IOS1637_52	48.9	0.82	0.59400	0.05700	0.06790	0.00270	0.57655	469.0	36.0	424.0	16.0	650	180	DISC	DISC	9.6	Core
IOS1637_53	99	1.98	0.47500	0.05100	0.04230	0.00150	0.31513	389.0	34.0	266.9	9.2	1130	190	DISC	DISC	31.4	Rim
IOS1637_53	349	13.37	0.50200	0.03200	0.05249	0.00072	0.36295	409.0	20.0	329.8	4.4	827	98	DISC	DISC	19.4	Core

SAMPLE NAME: IOS1642

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1642_1	197	2.15	0.37580	0.00840	0.05003	0.00059	0.07057	324.0	6.0	314.7	3.6	381	54	314.7	3.6	2.9	Single Age
IOS1642_2	211.8	2.25	0.33500	0.01100	0.04610	0.00120	0.71860	292.0	8.1	290.7	7.3	302	48	290.7	7.3	0.4	Single Age
IOS1642_3	1370	3.92	0.35720	0.00510	0.04830	0.00063	0.59433	309.9	3.8	304.0	3.9	353	28	304.0	3.9	1.9	Single Age
IOS1642_4	479	1.66	0.38070	0.00640	0.05077	0.00055	0.40447	327.2	4.7	319.2	3.4	379	35	319.2	3.4	2.4	Single Age
IOS1642_5	278.5	2.22	0.37370	0.00900	0.05113	0.00099	0.47323	321.6	6.7	321.4	6.1	325	51	321.4	6.1	0.1	Single Age
IOS1642_6	1633	2.95	0.35140	0.00410	0.04699	0.00050	0.55264	305.6	3.1	296.0	3.1	383	24	296.0	3.1	3.1	Single Age

Table A2, con't.

IOS1642_7	284	1.87	0.37320	0.00640	0.05137	0.00053	0.33140	322.2	4.9	322.9	3.3	305	37	322.9	3.3	0.2	Single Age
IOS1642_8	829	3.62	0.31300	0.01600	0.02739	0.00059	0.64777	274.0	12.0	174.2	3.7	1188	78	DISC	DISC	36.4	Rim
IOS1642_8	302.9	2.27	0.41100	0.01900	0.04120	0.00100	0.35702	349.0	14.0	260.5	6.4	977	87	DISC	DISC	25.4	Core
IOS1642_9	603	1.55	0.37760	0.00660	0.05075	0.00057	0.39846	325.4	4.8	319.1	3.5	355	37	319.1	3.5	1.9	Single Age
IOS1642_10	2756	2.47	0.31870	0.00560	0.04287	0.00079	0.83774	280.6	4.3	270.5	4.9	362	23	270.5	4.9	3.6	Single Age
IOS1642_11	602	2.19	0.31650	0.00660	0.04216	0.00072	0.63796	278.7	5.1	266.2	4.5	373	37	266.2	4.5	4.5	Single Age
IOS1642_12	379	2.01	0.36770	0.00730	0.04932	0.00062	0.44818	317.5	5.4	310.3	3.8	355	40	310.3	3.8	2.3	Single Age
IOS1642_13	2170	16.26	0.06310	0.00490	0.00746	0.00045	0.70798	62.0	4.6	47.9	2.9	630	120	DISC	DISC	22.7	Rim
IOS1642_13	467.8	1.78	0.35890	0.00920	0.04820	0.00067	0.11286	311.1	6.9	303.5	4.1	362	62	303.5	4.1	2.4	Core
IOS1642_14	269	2.15	0.37040	0.00840	0.04997	0.00054	0.15387	319.2	6.2	314.3	3.3	341	50	314.3	3.3	1.5	Single Age
IOS1642_15	274	1.45	0.39970	0.00770	0.04989	0.00065	0.32766	341.6	5.4	313.8	4.0	511	42	DISC	DISC	8.1	Single Age
IOS1642_16	740	3.71	0.34740	0.00640	0.04735	0.00068	0.56836	302.3	4.8	298.2	4.2	325	36	298.2	4.2	1.4	Single Age
IOS1642_17	327	2.32	0.38250	0.00750	0.05008	0.00074	0.47163	329.0	5.6	315.0	4.5	410	41	315.0	4.5	4.3	Single Age
IOS1642_18	327	1.52	0.38300	0.00870	0.05124	0.00075	0.44211	328.6	6.4	322.0	4.6	358	46	322.0	4.6	2.0	Single Age
IOS1642_19	452	1.95	0.35640	0.00810	0.04740	0.00074	0.49439	308.9	6.1	298.5	4.6	376	46	298.5	4.6	3.4	Single Age
IOS1642_20	380	60.00	0.41020	0.00990	0.05543	0.00088	0.64542	348.4	7.1	347.7	5.4	336	41	347.7	5.4	0.2	Rim
IOS1642_20	105.6	1.69	0.69100	0.02600	0.08640	0.00160	0.39765	532.0	16.0	534.2	9.6	492	78	534.2	9.6	0.4	Core
IOS1642_21	342	2.44	0.35350	0.00740	0.04654	0.00058	0.39446	306.9	5.5	293.2	3.6	406	47	293.2	3.6	4.5	Single Age
IOS1642_22	249	2.20	0.36980	0.00800	0.04683	0.00075	0.26423	318.9	5.9	295.0	4.6	483	51	DISC	DISC	7.5	Single Age
IOS1642_23	1893	2.61	0.33120	0.00620	0.04430	0.00069	0.75302	290.1	4.7	279.4	4.3	352	27	279.4	4.3	3.7	Single Age
IOS1642_24	214.5	2.02	0.38060	0.00910	0.05124	0.00084	0.47541	326.7	6.6	322.1	5.2	343	47	322.1	5.2	1.4	Single Age
IOS1642_25	2190	4.43	0.32150	0.00820	0.03830	0.00076	0.73530	282.4	6.3	242.2	4.7	602	37	DISC	DISC	14.2	Single Age
IOS1642_26	251.3	1.66	0.38590	0.00740	0.05224	0.00049	0.40044	331.5	5.6	328.3	3.0	329	40	328.3	3.0	1.0	Single Age
IOS1642_27	600	2.04	0.38060	0.00610	0.05242	0.00059	0.43584	327.1	4.5	329.3	3.6	305	34	329.3	3.6	0.7	Single Age
IOS1642_28	1600	5.77	0.35930	0.00750	0.04870	0.00110	0.65996	311.1	5.6	306.2	6.5	332	31	306.2	6.5	1.6	Single Age
IOS1642_29	771	3.54	0.40060	0.00740	0.05376	0.00081	0.55627	342.4	5.2	337.5	4.9	353	34	337.5	4.9	1.4	Single Age

Table A2, con't.

IOS1642_30	4980	7.04	0.33900	0.01700	0.04350	0.00210	0.96137	297.0	13.0	275.0	13.0	454	29	DISC	DISC	7.4	Rim
IOS1642_30	549	1.49	0.39870	0.00580	0.05455	0.00059	0.41754	340.4	4.2	342.4	3.6	303	32	342.4	3.6	0.6	Core
IOS1642_31	3070	5.15	0.27630	0.00590	0.03706	0.00081	0.82874	247.3	4.7	234.5	5.1	346	29	DISC	DISC	5.2	Single Age
IOS1642_32	2890	7.67	0.19190	0.00490	0.02494	0.00069	0.87651	178.0	4.2	158.7	4.3	419	29	DISC	DISC	10.8	Single Age
IOS1642_33	789	4.60	0.37800	0.01300	0.04990	0.00160	0.71627	325.2	9.9	313.5	9.9	385	60	313.5	9.9	3.6	Single Age
IOS1642_34	439	3.36	0.32410	0.00870	0.04401	0.00084	0.17584	284.9	6.7	277.6	5.2	315	68	277.6	5.2	2.6	Single Age
IOS1642_35	292	1.40	0.40380	0.00690	0.05318	0.00057	0.24599	344.0	5.0	334.0	3.5	377	39	334.0	3.5	2.9	Single Age
IOS1642_36	1120	2.79	0.30100	0.01200	0.04100	0.00140	0.89409	266.0	9.2	259.1	8.9	296	41	259.1	8.9	2.6	Single Age
IOS1642_37	463	5.25	0.26130	0.00630	0.03419	0.00077	0.61233	235.9	5.2	216.6	4.8	406	44	DISC	DISC	8.2	Single Age
IOS1642_38	1417	2.06	0.32140	0.00390	0.04358	0.00047	0.62676	282.8	3.0	274.9	2.9	311	23	274.9	2.9	2.8	Single Age
IOS1642_39	362	1.65	0.39000	0.00640	0.05171	0.00055	0.38315	334.6	4.5	325.0	3.4	364	34	325.0	3.4	2.9	Single Age
IOS1642_40	1003	2.67	0.39760	0.00640	0.05182	0.00070	0.61740	339.5	4.7	325.6	4.3	410	31	325.6	4.3	4.1	Single Age
IOS1642_41	1026	2.09	0.33430	0.00760	0.04700	0.00110	0.66500	292.3	5.8	295.9	6.9	237	40	295.9	6.9	1.2	Single Age
IOS1642_42	333.7	1.63	0.42680	0.00830	0.04685	0.00060	0.25140	361.4	6.1	295.1	3.7	766	44	DISC	DISC	18.3	Single Age
IOS1642_43	201	0.58	1.05400	0.02300	0.11420	0.00160	0.14341	730.0	12.0	697.1	9.5	796	52	697.1	9.5	4.5	Single Age
IOS1642_44	575	3.56	0.28110	0.00560	0.03860	0.00058	0.49853	251.3	4.4	244.1	3.6	281	40	244.1	3.6	2.9	Single Age
IOS1642_45	780.3	79.30	0.38570	0.00540	0.05211	0.00063	0.35300	331.0	4.0	327.4	3.8	322	34	327.4	3.8	1.1	Single Age
IOS1642_46	280	1.73	0.40240	0.00670	0.05355	0.00055	0.31087	342.9	4.9	336.3	3.4	353	37	336.3	3.4	1.9	Single Age
IOS1642_47	2230	15.50	0.08790	0.00740	0.01114	0.00087	0.81906	85.3	6.9	71.4	5.5	460	100	DISC	DISC	16.3	Rim
IOS1642_47	466	2.52	0.31800	0.00640	0.04377	0.00072	0.42018	280.1	5.0	276.2	4.4	283	46	276.2	4.4	1.4	Core
IOS1642_48	3250	11.50	0.17400	0.01000	0.02350	0.00130	0.18654	163.0	8.9	149.9	8.4	340	160	DISC	DISC	8.0	Rim
IOS1642_48	255	2.52	0.42900	0.01000	0.05233	0.00080	0.48518	361.7	7.2	328.7	4.9	558	45	DISC	DISC	9.1	Core
IOS1642_49	387	5.65	0.39350	0.00920	0.05180	0.00120	0.44703	336.0	6.7	325.1	7.1	386	51	325.1	7.1	3.2	Single Age
IOS1642_50	4020	9.47	0.31000	0.01300	0.04050	0.00180	0.64228	273.0	10.0	256.0	11.0	412	78	DISC	DISC	6.2	Rim
IOS1642_50	1540	4.70	0.37570	0.00690	0.05026	0.00089	0.63442	323.5	5.1	316.0	5.5	363	35	316.0	5.5	2.3	Core
IOS1642_51	607	2.24	0.37390	0.00760	0.04759	0.00075	0.45264	322.0	5.6	299.6	4.6	472	43	DISC	DISC	7.0	Single Age

Table A2, con't.

IOS1642_52	205.1	1.56	0.52000	0.02200	0.06660	0.00240	0.79670	423.0	14.0	415.0	15.0	451	57	415.0	15.0	1.9	Single Age
IOS1642_53	442	2.18	0.29160	0.00630	0.04019	0.00073	0.68765	259.3	4.9	253.9	4.5	307	35	253.9	4.5	2.1	Single Age
IOS1642_54	341	1.91	0.40400	0.01500	0.04410	0.00100	0.32961	344.0	11.0	278.0	6.3	791	74	DISC	DISC	19.2	Single Age
IOS1642_55	576	2.38	0.29560	0.00470	0.03750	0.00045	0.34874	262.7	3.7	237.3	2.8	491	34	DISC	DISC	9.7	Single Age
IOS1642_56	256.5	6.54	0.33150	0.00980	0.04430	0.00130	0.41039	289.9	7.5	279.2	8.1	381	70	279.2	8.1	3.7	Single Age
IOS1642_58	395	1.90	0.36950	0.00740	0.04910	0.00071	0.45226	318.7	5.5	308.9	4.4	397	40	308.9	4.4	3.1	Single Age
IOS1642_59	4300	11.50	0.32300	0.01400	0.04310	0.00200	0.80515	284.0	11.0	272.0	13.0	399	68	272.0	13.0	4.2	Rim
IOS1642_59	352	1.52	0.36810	0.00780	0.05051	0.00054	0.37996	317.7	5.8	317.6	3.3	320	43	317.6	3.3	0.0	Core
IOS1642_61	387.1	1.28	0.53600	0.02300	0.05035	0.00056	0.24598	432.0	15.0	316.6	3.4	1061	80	DISC	DISC	26.7	Single Age
IOS1642_62	972	7.89	0.41100	0.01200	0.04820	0.00130	0.60640	348.5	8.8	303.5	7.8	679	52	DISC	DISC	12.9	Single Age
IOS1642_63	296	1.64	0.37120	0.00840	0.04890	0.00088	0.40334	319.9	6.2	307.7	5.4	409	50	307.7	5.4	3.8	Single Age
IOS1642_64	366	2.59	0.36150	0.00900	0.04549	0.00099	0.43194	312.6	6.7	286.7	6.1	522	55	DISC	DISC	8.3	Single Age
IOS1642_65	731	5.06	0.37810	0.00740	0.04625	0.00073	0.44392	325.2	5.4	291.4	4.5	592	41	DISC	DISC	10.4	Single Age
IOS1642_66	1370	4.20	0.35850	0.00800	0.04690	0.00110	0.68140	310.4	6.0	295.5	6.7	423	38	295.5	6.7	4.8	Single Age
IOS1642_67	1740	10.93	0.26050	0.00670	0.03572	0.00086	0.76465	234.6	5.4	226.2	5.3	334	39	226.2	5.3	3.6	Single Age
IOS1642_68	494	2.76	0.36450	0.00760	0.05075	0.00093	0.59651	315.0	5.6	319.0	5.7	289	39	319.0	5.7	1.3	Single Age
IOS1642_69	345	2.07	0.36420	0.00720	0.04954	0.00082	0.39701	314.8	5.4	311.6	5.0	341	43	311.6	5.0	1.0	Single Age
IOS1642_70	250	1.77	0.37680	0.00890	0.05164	0.00091	0.37409	324.9	6.7	324.5	5.6	325	51	324.5	5.6	0.1	Single Age
IOS1642_71	526	1.67	0.40000	0.01200	0.05490	0.00120	0.71393	341.1	8.3	344.2	7.6	318	46	344.2	7.6	0.9	Single Age
IOS1642_72	2370	19.20	0.21300	0.01200	0.02790	0.00150	0.70268	195.0	10.0	177.1	9.6	402	88	DISC	DISC	9.2	Rim
IOS1642_72	847	4.53	0.31270	0.00960	0.04400	0.00120	0.55657	275.8	7.5	277.7	7.3	262	60	277.7	7.3	0.7	Core
IOS1642_73	704	2.88	0.38740	0.00600	0.05237	0.00062	0.69685	332.1	4.4	329.0	3.8	347	26	329.0	3.8	0.9	Single Age
IOS1642_74	1176	1.95	0.37150	0.00430	0.05092	0.00063	0.46112	320.6	3.2	320.2	3.8	330	26	320.2	3.8	0.1	Single Age
IOS1642_75	681	2.11	0.35980	0.00660	0.04769	0.00066	0.43767	311.6	4.9	300.3	4.1	388	38	300.3	4.1	3.6	Single Age
IOS1642_76	337	4.45	0.47400	0.01100	0.06170	0.00110	0.55747	393.6	7.7	386.0	6.9	433	45	386.0	6.9	1.9	Single Age

Table A2, con't.

IOS1642_77	1066	1.92	0.35980	0.00420	0.04979	0.00053	0.55942	311.9	3.1	313.2	3.2	304	24	313.2	3.2	0.4	Single Age
IOS1642_78	579	1.54	0.38680	0.00670	0.05126	0.00072	0.56907	331.6	4.9	322.2	4.4	394	33	322.2	4.4	2.8	Single Age
IOS1642_79	589	4.65	0.33680	0.00920	0.04470	0.00120	0.54031	294.9	6.8	281.6	7.1	387	57	281.6	7.1	4.5	Single Age
IOS1642_80	1700	6.23	0.21900	0.01800	0.02410	0.00190	0.04607	200.0	15.0	154.0	12.0	820	210	DISC	DISC	23.0	Rim
IOS1642_80	192	2.28	0.38500	0.02700	0.04140	0.00100	0.21054	327.0	19.0	261.4	6.2	780	140	DISC	DISC	20.1	Core
IOS1642_81	242	2.53	0.35030	0.00780	0.05119	0.00087	0.46830	304.3	5.9	321.7	5.3	179	44	DISC	DISC	5.7	Single Age
IOS1642_82	199	3.68	0.76000	0.02100	0.09240	0.00230	0.55292	572.0	12.0	569.0	14.0	574	53	569.0	14.0	0.5	Single Age
IOS1642_83	775	2.49	0.40400	0.00790	0.05528	0.00074	0.62599	344.2	5.7	346.8	4.6	322	36	346.8	4.6	0.8	Single Age
IOS1642_84	629	1.84	0.33880	0.00640	0.04569	0.00088	0.72004	295.8	4.9	287.9	5.4	350	31	287.9	5.4	2.7	Single Age
IOS1642_85	1120	3.48	0.33710	0.00710	0.04310	0.00085	0.65384	294.4	5.4	272.0	5.3	474	39	DISC	DISC	7.6	Single Age
IOS1642_86	758	1.85	0.36500	0.01600	0.04630	0.00160	0.56564	315.0	12.0	291.7	9.9	441	76	DISC	DISC	7.4	Single Age
IOS1642_87	130.7	1.28	0.36350	0.00840	0.04945	0.00055	0.25416	314.1	6.2	311.1	3.4	325	49	311.1	3.4	1.0	Single Age
IOS1642_88	490	5.01	0.15240	0.00450	0.02063	0.00048	0.64577	143.7	4.0	131.6	3.0	353	44	DISC	DISC	8.4	Single Age
IOS1642_89	907	2.72	0.33300	0.01000	0.04005	0.00065	0.30650	291.3	7.8	253.1	4.0	602	63	DISC	DISC	13.1	Single Age
IOS1642_90	257	1.92	0.38490	0.00630	0.05240	0.00044	0.00652	330.2	4.6	329.2	2.7	334	40	329.2	2.7	0.3	Single Age
IOS1642_91	629	1.78	0.39430	0.00690	0.04746	0.00063	0.21804	337.8	5.1	298.9	3.9	622	55	DISC	DISC	11.5	Single Age
IOS1642_92	242	1.41	0.36510	0.00590	0.04967	0.00042	0.32035	315.7	4.4	312.5	2.6	331	36	312.5	2.6	1.0	Single Age
IOS1642_93	353	0.94	0.50700	0.04300	0.04100	0.00110	0.36026	406.0	27.0	258.8	6.7	1240	130	DISC	DISC	36.3	Single Age
IOS1642_94	3010	15.80	0.06380	0.00640	0.00896	0.00089	0.86806	62.7	6.1	57.5	5.7	270	110	DISC	DISC	8.3	Rim
IOS1642_94	148	1.34	0.35250	0.00920	0.04898	0.00064	0.32994	305.9	6.9	308.2	3.9	282	54	308.2	3.9	0.8	Core
IOS1642_95	423	2.10	0.32880	0.00810	0.04448	0.00097	0.71286	287.9	6.2	280.4	6.0	344	38	280.4	6.0	2.6	Single Age
IOS1642_96	714	2.08	0.23710	0.00660	0.03082	0.00056	0.67449	215.8	5.4	195.7	3.5	433	46	DISC	DISC	9.3	Rim
IOS1642_96	290	2.63	0.37500	0.01200	0.04990	0.00110	0.53053	323.2	8.9	313.8	6.9	382	62	313.8	6.9	2.9	Core
IOS1642_97	508	2.55	0.38610	0.00590	0.05204	0.00057	0.46177	331.2	4.3	327.0	3.5	354	32	327.0	3.5	1.3	Single Age
IOS1642_98	192	1.89	0.37980	0.00810	0.05179	0.00062	0.32670	326.3	5.9	325.4	3.8	319	46	325.4	3.8	0.3	Single Age
IOS1642_99	414	1.92	0.38090	0.00570	0.05120	0.00047	0.25179	327.5	4.2	321.9	2.9	358	35	321.9	2.9	1.7	Single Age

Table A2, con't.

IOS1642_100	1220	3.06	0.36990	0.00390	0.05104	0.00046	0.55019	319.4	2.9	320.9	2.8	301	22	320.9	2.8	0.5	Single Age
IOS1642_101	993	2.69	0.33630	0.00780	0.04393	0.00080	0.47089	293.7	5.9	277.1	5.0	420	41	DISC	DISC	5.7	Single Age
IOS1642_102	104.8	1.86	0.38960	0.00980	0.05411	0.00074	0.14197	333.2	7.1	339.7	4.5	296	60	339.7	4.5	2.0	Single Age
IOS1642_103	3180	3.67	0.20780	0.00320	0.02800	0.00038	0.72478	191.5	2.7	178.0	2.4	353	24	DISC	DISC	7.0	Single Age
IOS1642_104	2029	2.73	0.35390	0.00630	0.04798	0.00082	0.71246	307.3	4.7	302.0	5.0	341	30	302.0	5.0	1.7	Single Age
IOS1642_105	634	1.62	0.40260	0.00520	0.05472	0.00056	0.61719	343.3	3.8	343.4	3.4	328	23	343.4	3.4	0.0	Single Age
IOS1642_106	457	1.82	0.38080	0.00720	0.05113	0.00097	0.51413	327.8	5.4	321.3	5.9	377	42	321.3	5.9	2.0	Single Age
IOS1642_107	191	2.33	0.44300	0.01300	0.05064	0.00096	0.40783	372.3	8.9	318.3	5.9	718	61	DISC	DISC	14.5	Single Age
IOS1642_108	789	6.35	0.18200	0.00640	0.02396	0.00065	0.71592	169.5	5.5	152.6	4.1	401	54	DISC	DISC	10.0	Rim
IOS1642_108	713	2.06	0.34330	0.00870	0.04690	0.00110	0.51489	299.4	6.6	295.4	6.6	332	47	295.4	6.6	1.3	Core
IOS1642_109	137.5	1.71	0.39690	0.00820	0.05309	0.00064	0.17286	338.7	6.0	333.4	3.9	365	48	333.4	3.9	1.6	Single Age
IOS1642_110	2343	6.60	0.37030	0.00690	0.04958	0.00097	0.75202	319.4	5.1	311.9	6.0	373	30	311.9	6.0	2.3	Single Age
IOS1642_111	1060	3.61	0.15300	0.01600	0.02080	0.00210	0.82127	144.0	14.0	133.0	13.0	340	130	DISC	DISC	7.6	Rim
IOS1642_111	251	1.88	0.38300	0.01100	0.05200	0.00110	0.54673	328.7	8.4	327.0	6.8	353	59	327.0	6.8	0.5	Core
IOS1642_112	840	3.04	0.35010	0.00540	0.04765	0.00068	0.66211	304.6	4.1	300.0	4.2	341	26	300.0	4.2	1.5	Single Age
IOS1642_113	1930	9.96	0.07550	0.00550	0.00891	0.00053	0.22192	73.8	5.2	57.1	3.4	630	150	DISC	DISC	22.6	Rim
IOS1642_113	297	2.19	0.31620	0.00890	0.04332	0.00092	0.47015	278.5	6.9	273.3	5.7	327	59	273.3	5.7	1.9	Core
IOS1642_114	456	2.10	0.38000	0.00740	0.05033	0.00077	0.54323	326.5	5.4	316.5	4.7	398	36	316.5	4.7	3.1	Single Age
IOS1642_115	535	4.05	0.37600	0.01000	0.04810	0.00100	0.13756	323.1	7.4	302.6	6.4	460	52	DISC	DISC	6.3	Single Age
IOS1642_116	1324	10.04	0.20000	0.00940	0.02580	0.00120	0.74161	184.5	7.9	164.2	7.3	482	72	DISC	DISC	11.0	Rim
IOS1642_116	303	2.39	0.28600	0.01600	0.03710	0.00180	0.73879	255.0	12.0	238.0	12.0	405	87	DISC	DISC	6.7	Core
IOS1642_117	593	1.50	0.37710	0.00650	0.05178	0.00072	0.51354	324.5	4.7	325.4	4.4	315	34	325.4	4.4	0.3	Single Age
IOS1642_118	436	2.80	0.37800	0.01100	0.05130	0.00150	0.63773	324.8	8.1	322.4	9.0	340	51	322.4	9.0	0.7	Single Age
IOS1642_119	1690	1.61	0.18600	0.01800	0.02160	0.00170	0.55980	173.0	16.0	138.0	11.0	680	180	DISC	DISC	20.2	Rim
IOS1642_119	502	1.63	0.34920	0.00960	0.04143	0.00078	0.52210	303.4	7.2	261.6	4.9	629	48	DISC	DISC	13.8	Core
IOS1642_120	316	1.84	0.33420	0.00720	0.04494	0.00062	0.43224	292.2	5.5	283.4	3.8	366	43	283.4	3.8	3.0	Single Age
IOS1642_121	322	1.69	0.41290	0.00640	0.05238	0.00053	0.32909	350.5	4.6	329.1	3.2	496	36	DISC	DISC	6.1	Single Age

Table A2, con't.

IOS1642_122	573	2.61	0.34240	0.00980	0.04810	0.00140	0.62776	298.3	7.4	302.9	8.6	289	54	302.9	8.6	1.5	Single Age
IOS1642_123	449	4.99	0.44100	0.01400	0.05630	0.00130	0.85063	371.0	10.0	352.7	7.7	489	40	352.7	7.7	4.9	Single Age
IOS1642_124	2820	4.38	0.25600	0.01400	0.03080	0.00140	0.69448	231.0	11.0	195.4	9.0	629	91	DISC	DISC	15.4	Rim
IOS1642_124	1130	3.65	0.39500	0.01800	0.05020	0.00180	0.70430	337.0	13.0	315.0	11.0	483	68	DISC	DISC	6.5	Core
IOS1642_125	96.44	2.56	0.38200	0.01000	0.05334	0.00071	0.19121	327.8	7.6	335.0	4.4	276	59	335.0	4.4	2.2	Single Age
IOS1642_126	475	2.49	0.26520	0.00830	0.03360	0.00100	0.73613	238.4	6.6	213.1	6.4	496	53	DISC	DISC	10.6	Single Age
IOS1642_128	382	2.24	0.37770	0.00680	0.05229	0.00072	0.59705	324.9	5.0	328.5	4.4	296	33	328.5	4.4	1.1	Single Age
IOS1642_129	1640	2.71	0.16540	0.00390	0.02208	0.00057	0.82378	155.6	3.5	140.7	3.6	386	33	DISC	DISC	9.6	Single Age
IOS1642_130	372	1.62	0.37180	0.00600	0.05106	0.00063	0.45785	320.6	4.4	321.0	3.8	311	34	321.0	3.8	0.1	Single Age
IOS1642_131	293	1.56	0.37180	0.00710	0.04942	0.00050	0.23812	320.4	5.3	310.9	3.1	379	44	310.9	3.1	3.0	Single Age
IOS1642_132	1057	0.53	1.30000	0.14000	0.04930	0.00130	0.56574	816.0	58.0	310.1	7.8	2570	150	DISC	DISC	62.0	Single Age
IOS1642_133	860	4.11	0.36060	0.00980	0.04603	0.00088	0.49377	311.7	7.2	290.0	5.4	458	46	DISC	DISC	7.0	Single Age
IOS1642_134	256.1	1.64	0.36280	0.00690	0.05056	0.00077	0.47386	313.8	5.1	317.9	4.7	270	39	317.9	4.7	1.3	Single Age
IOS1642_135	634	2.12	0.38030	0.00680	0.05054	0.00082	0.52522	327.4	5.2	317.7	5.1	381	38	317.7	5.1	3.0	Single Age
IOS1642_137	410	1.71	0.36180	0.00720	0.04755	0.00079	0.51182	313.0	5.4	299.4	4.9	392	41	299.4	4.9	4.3	Single Age
IOS1642_139	1087	7.72	0.13430	0.00710	0.01545	0.00073	0.64100	127.7	6.4	98.8	4.7	684	95	DISC	DISC	22.6	Rim
IOS1642_139	655	3.39	0.33390	0.00690	0.04459	0.00072	0.47823	292.2	5.3	281.2	4.4	364	44	281.2	4.4	3.8	Core
IOS1642_140	2460	6.00	0.12730	0.00730	0.01710	0.00100	0.71648	121.5	6.6	109.2	6.6	360	100	DISC	DISC	10.1	Rim
IOS1642_140	1139	4.70	0.23380	0.00720	0.03064	0.00078	0.67611	213.1	5.9	194.5	4.9	398	60	DISC	DISC	8.7	Rim
IOS1642_140	1139	4.70	0.23380	0.00720	0.03064	0.00078	0.67611	213.1	5.9	194.5	4.9	398	60	DISC	DISC	8.7	Core
IOS1642_201	254.9	1.80	0.36890	0.00820	0.05005	0.00054	0.40423	319.8	6.4	314.8	3.3	337	47	314.8	3.3	1.6	Single Age
IOS1642_202	488	2.00	0.37610	0.00800	0.05134	0.00089	0.51018	323.6	5.9	322.7	5.5	314	43	322.7	5.5	0.3	Single Age
IOS1642_203	1570	2.80	0.35990	0.00430	0.04898	0.00044	0.47380	311.9	3.2	308.2	2.7	328	25	308.2	2.7	1.2	Single Age
IOS1642_204	1320	3.57	0.17550	0.00520	0.02366	0.00062	0.35519	163.8	4.4	150.7	3.9	352	49	DISC	DISC	8.0	Single Age
IOS1642_205	292.4	1.43	0.35840	0.00760	0.04911	0.00064	0.35192	311.1	5.5	309.0	3.9	318	44	309.0	3.9	0.7	Single Age
IOS1642_206	799	2.64	0.38640	0.00670	0.05208	0.00077	0.59321	331.3	4.9	327.2	4.7	356	36	327.2	4.7	1.2	Single Age

Table A2, con't.

IOS1642_207	787	2.52	0.36370	0.00590	0.04985	0.00058	0.54648	314.6	4.4	313.5	3.6	306	30	313.5	3.6	0.3	Single Age
IOS1642_208	700	1.63	0.38890	0.00910	0.05248	0.00099	0.48774	332.9	6.7	329.6	6.0	339	47	329.6	6.0	1.0	Single Age
IOS1642_209	1258	8.65	0.43800	0.01600	0.05770	0.00190	0.74735	368.0	11.0	361.0	11.0	401	53	361.0	11.0	1.9	Rim
IOS1642_209	318	3.99	1.19500	0.04700	0.12560	0.00450	0.91183	796.0	22.0	762.0	26.0	895	34	762.0	26.0	4.3	Core
IOS1642_210	1961	6.55	0.30750	0.00920	0.04154	0.00097	0.56767	272.0	7.1	262.3	6.0	353	56	262.3	6.0	3.6	Single Age
IOS1642_211	1230	3.50	0.37900	0.01300	0.04850	0.00120	0.04928	325.8	9.7	305.4	7.2	459	93	DISC	DISC	6.3	Rim
IOS1642_211	599	3.31	0.85300	0.01900	0.09670	0.00190	0.80899	625.0	10.0	595.0	11.0	742	28	595.0	11.0	4.8	Core
IOS1642_212	935	1.97	0.37280	0.00580	0.05055	0.00055	0.39180	321.4	4.3	317.9	3.4	339	34	317.9	3.4	1.1	Single Age
IOS1642_213	149.3	1.60	0.35200	0.01100	0.04656	0.00074	0.34588	307.0	8.2	293.3	4.6	388	67	293.3	4.6	4.5	Single Age
IOS1642_214	607	2.52	0.32800	0.01800	0.04540	0.00190	0.72832	287.0	14.0	286.0	12.0	293	74	286.0	12.0	0.3	Rim
IOS1642_214	760	1.29	0.38100	0.01000	0.05310	0.00097	0.38593	327.1	7.5	333.4	6.0	271	56	333.4	6.0	1.9	Core
IOS1642_215	365	1.55	0.37140	0.00710	0.05036	0.00047	0.17740	320.2	5.2	316.7	2.9	334	42	316.7	2.9	1.1	Single Age
IOS1642_216	274.8	1.81	0.36420	0.00770	0.04931	0.00062	0.20020	314.7	5.7	310.3	3.8	336	49	310.3	3.8	1.4	Single Age
IOS1642_217	2540	5.41	0.16560	0.00440	0.02250	0.00064	0.51755	155.6	3.8	143.5	4.0	337	57	DISC	DISC	7.8	Rim
IOS1642_217	387.6	1.42	0.32200	0.01100	0.04507	0.00088	0.35421	282.9	8.8	284.1	5.4	268	74	284.1	5.4	0.4	Core
IOS1642_218	1030	5.13	0.19230	0.00940	0.02554	0.00072	0.42757	178.1	7.7	162.5	4.5	370	74	DISC	DISC	8.8	Rim
IOS1642_218	250.5	2.27	0.26200	0.01000	0.03291	0.00084	0.11443	235.8	8.2	208.7	5.2	507	96	DISC	DISC	11.5	Core
IOS1642_219	246.2	1.53	0.37360	0.00870	0.05096	0.00058	0.35488	321.6	6.4	320.4	3.5	321	48	320.4	3.5	0.4	Single Age
IOS1642_220	400	1.54	0.37870	0.00960	0.04469	0.00072	0.53225	325.5	7.1	281.8	4.4	644	46	DISC	DISC	13.4	Single Age
IOS1642_221	562	1.75	0.35630	0.00740	0.04814	0.00053	0.35696	308.9	5.6	303.0	3.3	338	42	303.0	3.3	1.9	Single Age
IOS1642_222	389	1.62	0.35740	0.00940	0.04904	0.00074	0.52493	309.7	7.0	308.6	4.6	312	49	308.6	4.6	0.4	Single Age
IOS1642_223	632	3.00	0.21530	0.00610	0.02912	0.00060	0.62889	197.7	5.1	185.0	3.7	348	49	DISC	DISC	6.4	Single Age
IOS1642_224	840	1.51	0.34770	0.00620	0.04743	0.00063	0.60758	302.7	4.6	298.7	3.9	365	36	298.7	3.9	1.3	Single Age
IOS1642_225	507	1.46	0.35450	0.00990	0.04963	0.00082	0.39565	307.5	7.5	312.2	5.1	273	57	312.2	5.1	1.5	Single Age

Table A2, con't.

SAMPLE NAME: IOS1643																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor - dance**	**Rim/ Core**
IOS1643_1	270	2.60	0.42240	0.00930	0.05082	0.00069	0.24054	357.0	6.6	319.5	4.3	585	49	DISC	DISC	10.5	Single Age
IOS1643_3	497	3.21	0.33250	0.00800	0.04364	0.00070	0.42694	290.8	6.0	275.3	4.4	399	42	DISC	DISC	5.3	Single Age
IOS1643_4	2550	5.51	0.36610	0.00510	0.05010	0.00057	0.60850	316.5	3.8	315.1	3.5	314	26	315.1	3.5	0.4	Single Age
IOS1643_6	182	2.63	0.39010	0.00960	0.05166	0.00077	0.47696	333.6	7.0	324.6	4.7	400	50	324.6	4.7	2.7	Single Age
IOS1643_7	338	1.43	0.38280	0.00820	0.04900	0.00056	0.47088	330.1	6.3	308.3	3.5	476	43	DISC	DISC	6.6	Single Age
IOS1643_8	2110	2.50	0.35460	0.00600	0.05084	0.00082	0.76841	307.9	4.5	319.6	5.1	237	27	319.6	5.1	3.8	Single Age
IOS1643_9	414.8	2.83	0.39550	0.00900	0.05167	0.00062	0.33837	337.6	6.4	324.7	3.8	426	47	324.7	3.8	3.8	Single Age
IOS1643_10	1620	2.84	0.38800	0.01200	0.04645	0.00092	0.66962	331.4	8.5	292.6	5.6	629	50	DISC	DISC	11.7	Single Age
IOS1643_11	2910	7.23	0.49400	0.03000	0.05478	0.00071	0.09951	403.0	18.0	343.8	4.3	770	110	DISC	DISC	14.7	Single Age
IOS1643_12	276.1	2.47	0.41500	0.01300	0.05458	0.00074	0.43378	351.5	8.8	342.5	4.5	417	59	342.5	4.5	2.6	Single Age
IOS1643_13	780	3.81	0.44100	0.02100	0.05240	0.00120	0.39189	367.0	14.0	329.3	7.4	585	84	DISC	DISC	10.3	Single Age
IOS1643_14	2340	5.05	0.38070	0.00970	0.04590	0.00110	0.59547	326.7	7.1	289.4	6.8	605	49	DISC	DISC	11.4	Single Age
IOS1643_15	1741	3.40	0.35510	0.00660	0.04802	0.00088	0.69160	308.2	4.9	302.3	5.4	375	33	302.3	5.4	1.9	Single Age
IOS1643_16	1351	5.64	0.42300	0.01800	0.03952	0.00085	0.17084	359.0	13.0	249.8	5.3	1128	80	DISC	DISC	30.4	Single Age
IOS1643_17	1300	4.48	0.40330	0.00920	0.05480	0.00120	0.46801	343.5	6.6	343.9	7.4	363	51	343.9	7.4	0.1	Single Age
IOS1643_18	960	3.85	0.27700	0.01700	0.03450	0.00170	0.78447	247.0	13.0	218.0	10.0	510	51	DISC	DISC	11.7	Single Age
IOS1643_19	280	1.55	0.38320	0.00800	0.05045	0.00068	0.26762	328.8	5.9	317.2	4.2	424	46	317.2	4.2	3.5	Single Age
IOS1643_20	7420	30.70	0.22700	0.03200	0.01881	0.00066	0.82663	193.0	21.0	120.1	4.1	1010	140	DISC	DISC	37.8	Single Age
IOS1643_21	249	2.19	0.59700	0.01600	0.05120	0.00071	0.42952	473.0	10.0	321.8	4.4	1309	50	DISC	DISC	32.0	Single Age
IOS1643_22	600	3.62	0.36750	0.00510	0.05123	0.00053	0.48802	317.6	3.8	322.1	3.3	306	27	322.1	3.3	1.4	Single Age
IOS1643_23	213	2.13	0.41000	0.01000	0.05328	0.00073	0.44391	347.8	7.3	334.6	4.5	451	48	334.6	4.5	3.8	Single Age

Table A2, con't.

IOS1643_26	216.8	1.15	1.01700	0.05300	0.04444	0.00061	0.40841	701.0	27.0	280.2	3.7	2447	92	DISC	DISC	60.0	Single Age
IOS1643_27	972	3.09	0.37740	0.00610	0.05202	0.00062	0.48199	324.8	4.5	326.9	3.8	338	33	326.9	3.8	0.6	Single Age
IOS1643_28	670	1.71	0.34340	0.00790	0.04583	0.00097	0.69442	299.2	5.9	288.8	6.0	409	38	288.8	6.0	3.5	Single Age
IOS1643_29	2780	3.31	0.34990	0.00380	0.04886	0.00051	0.63289	304.5	2.9	307.5	3.1	307	20	307.5	3.1	1.0	Single Age
IOS1643_30	602	1.62	0.36870	0.00550	0.04918	0.00054	0.42138	318.4	4.1	309.5	3.3	400	33	309.5	3.3	2.8	Single Age
IOS1643_31	508	1.53	0.42800	0.01100	0.04682	0.00066	0.14608	360.7	7.4	294.9	4.1	814	61	DISC	DISC	18.2	Single Age
IOS1643_32	252	56.00	0.41600	0.02700	0.05600	0.00240	0.70843	353.0	19.0	351.0	15.0	370	110	351.0	15.0	0.6	Rim
IOS1643_32	289	2.10	0.86500	0.01400	0.10430	0.00150	0.51054	632.0	7.7	639.5	8.8	627	31	639.5	8.8	1.2	Core
IOS1643_34	344	2.11	0.74200	0.05800	0.04922	0.00093	0.17767	562.0	35.0	309.7	5.7	1720	150	DISC	DISC	44.9	Rim
IOS1643_34	513	2.04	0.46600	0.01200	0.05268	0.00076	0.22881	387.6	8.1	331.0	4.6	741	55	DISC	DISC	14.6	Core
IOS1643_45	226.2	10.63	0.48700	0.01100	0.05326	0.00070	0.06690	376.8	4.7	333.3	4.2	665	23	DISC	DISC	11.5	Single Age
IOS1643_35	152	1.93	0.51800	0.02500	0.05156	0.00070	0.32978	422.0	16.0	324.1	4.3	979	88	DISC	DISC	23.2	Single Age
IOS1643_36	338	31.40	0.41200	0.01600	0.05055	0.00086	0.32318	352.0	12.0	317.9	5.3	560	73	DISC	DISC	9.7	Single Age
IOS1643_37	304	1.65	0.47600	0.01900	0.05018	0.00060	0.07974	393.0	12.0	315.6	3.7	832	68	DISC	DISC	19.7	Single Age
IOS1643_38	362.1	2.29	0.38760	0.00900	0.04981	0.00081	0.51161	331.8	6.5	313.3	5.0	449	46	DISC	DISC	5.6	Single Age
IOS1643_39	361	1.69	0.34120	0.00600	0.04751	0.00057	0.50605	297.7	4.5	299.2	3.5	273	34	299.2	3.5	0.5	Single Age
IOS1643_40	540	2.87	0.39700	0.01700	0.05087	0.00077	0.12085	337.0	11.0	319.8	4.7	437	66	DISC	DISC	5.1	Single Age
IOS1643_41	135.9	1.26	0.60500	0.03000	0.04644	0.00069	0.16368	476.0	19.0	292.6	4.3	1440	98	DISC	DISC	38.5	Single Age
IOS1643_42	316	4.78	0.38190	0.00800	0.05049	0.00064	0.37908	327.8	5.9	317.5	3.9	382	44	317.5	3.9	3.1	Single Age
IOS1643_43	466	3.23	0.38110	0.00900	0.04980	0.00120	0.40311	327.1	6.6	313.3	7.1	428	53	313.3	7.1	4.2	Single Age
IOS1643_44	160.9	1.34	0.38000	0.01000	0.04608	0.00066	0.39079	325.9	7.5	290.4	4.1	547	52	DISC	DISC	10.9	Single Age
IOS1643_45	2220	9.50	0.28150	0.00640	0.03576	0.00080	0.56380	251.4	5.1	226.4	5.0	464	48	DISC	DISC	9.9	Single Age
IOS1643_46	326	1.78	0.38270	0.00660	0.04980	0.00061	0.47816	329.2	5.0	313.3	3.7	432	34	313.3	3.7	4.8	Single Age
IOS1643_47	722	1.86	0.48300	0.02400	0.04960	0.00064	0.34954	400.0	17.0	312.0	3.9	881	95	DISC	DISC	22.0	Single Age
IOS1643_48	820	2.60	0.37220	0.00970	0.04283	0.00070	0.61266	320.3	7.1	270.8	4.2	676	44	DISC	DISC	15.5	Single Age
IOS1643_49	684	3.84	0.37030	0.00570	0.04923	0.00060	0.52056	319.5	4.3	309.8	3.7	377	31	309.8	3.7	3.0	Single Age

Table A2, con't.

IOS1643_50	567	3.01	0.32340	0.00860	0.03879	0.00088	0.64460	283.8	6.6	245.2	5.5	605	44	DISC	DISC	13.6	Single Age
IOS1643_51	1246	3.35	0.29040	0.00820	0.03465	0.00088	0.57422	258.3	6.4	219.5	5.5	618	46	DISC	DISC	15.0	Single Age
IOS1643_52	1436	3.58	0.35410	0.00380	0.04911	0.00049	0.54756	307.6	2.8	309.0	3.0	286	23	309.0	3.0	0.5	Single Age
IOS1643_53	364	3.19	0.51700	0.01800	0.06650	0.00200	0.64933	423.0	12.0	415.0	12.0	477	65	415.0	12.0	1.9	Single Age
IOS1643_54	1259	2.60	0.35460	0.00430	0.04590	0.00043	0.43312	308.0	3.2	289.7	2.7	441	24	DISC	DISC	5.9	Single Age
IOS1643_55	1192	1.99	0.35370	0.00700	0.04761	0.00076	0.74256	307.1	5.3	299.8	4.6	354	35	299.8	4.6	2.4	Single Age
IOS1643_57	468	1.94	0.38220	0.00710	0.04918	0.00067	0.57155	328.1	5.2	309.4	4.1	470	37	DISC	DISC	5.7	Single Age
IOS1643_58	2290	6.62	0.36630	0.00400	0.04892	0.00045	0.48694	316.8	2.9	307.9	2.8	380	23	307.9	2.8	2.8	Single Age
IOS1643_59	350	26.30	0.39100	0.01700	0.04789	0.00098	0.22608	334.0	12.0	301.5	6.1	560	98	DISC	DISC	9.7	Rim
IOS1643_59	570	3.22	1.12200	0.02300	0.12420	0.00220	0.61679	763.0	11.0	754.0	12.0	787	36	754.0	12.0	1.2	Core
IOS1643_60	1001	2.81	0.38870	0.00790	0.05165	0.00081	0.68015	333.0	5.8	324.6	4.9	383	34	324.6	4.9	2.5	Single Age
IOS1643_61	1830	4.26	0.33660	0.00630	0.04313	0.00065	0.69064	294.1	4.8	272.1	4.0	473	29	DISC	DISC	7.5	Single Age
IOS1643_62	407	1.97	0.31030	0.00610	0.04268	0.00048	0.27556	274.1	4.8	269.4	3.0	308	44	269.4	3.0	1.7	Single Age
IOS1643_63	457	1.29	0.34750	0.00570	0.04791	0.00042	0.27783	302.6	4.3	301.6	2.6	299	35	301.6	2.6	0.3	Rim
IOS1643_63	660	3.97	0.48400	0.01700	0.06470	0.00260	0.85637	400.0	12.0	404.0	15.0	352	58	404.0	15.0	1.0	Core
IOS1643_64	156.2	1.68	0.40700	0.01000	0.05338	0.00079	0.39045	347.0	7.0	335.1	4.9	415	49	335.1	4.9	3.4	Single Age
IOS1643_65	272	5.16	0.41300	0.01300	0.05285	0.00073	0.59725	350.5	9.0	332.0	4.5	463	54	DISC	DISC	5.3	Single Age
IOS1643_66	396	1.37	0.37540	0.00480	0.05099	0.00036	0.21204	323.4	3.6	320.6	2.2	344	29	320.6	2.2	0.9	Single Age
IOS1643_67	452	1.58	0.37630	0.00650	0.05201	0.00066	0.48060	323.9	4.8	326.8	4.0	296	37	326.8	4.0	0.9	Single Age
IOS1643_68	216.8	2.10	0.38210	0.00890	0.05241	0.00068	0.17747	327.8	6.5	329.3	4.2	312	52	329.3	4.2	0.5	Single Age
IOS1643_69	197.3	1.19	0.37490	0.00750	0.05082	0.00057	0.14805	322.8	5.5	319.5	3.5	344	49	319.5	3.5	1.0	Single Age
IOS1643_70	220	2.42	0.37540	0.00920	0.04889	0.00077	0.43655	322.8	6.8	307.6	4.7	417	50	307.6	4.7	4.7	Single Age
IOS1643_71	165.6	2.82	0.38410	0.00860	0.04943	0.00070	0.31576	329.3	6.3	311.0	4.3	453	47	DISC	DISC	5.6	Single Age
IOS1643_72	173.9	1.25	0.36900	0.01200	0.04900	0.00100	0.26078	318.3	8.6	308.3	6.3	397	76	308.3	6.3	3.1	Single Age
IOS1643_73	1537	2.45	0.36530	0.00410	0.04897	0.00045	0.46841	316.4	3.1	308.1	2.8	371	23	308.1	2.8	2.6	Single Age
IOS1643_74	1610	8.03	0.37670	0.00550	0.05227	0.00072	0.60610	324.3	4.0	328.4	4.4	289	29	328.4	4.4	1.3	Single Age

Table A2, con't.

IOS1643_75	445	55.80	0.39700	0.01100	0.05270	0.00150	0.34296	338.8	8.2	331.1	9.0	377	60	331.1	9.0	2.3	Rim
IOS1643_75	86.3	1.70	0.96300	0.02100	0.10980	0.00170	0.36756	687.0	11.0	671.3	9.8	734	46	671.3	9.8	2.3	Core
IOS1643_76	1040	2.21	0.56500	0.02200	0.05019	0.00082	0.28498	451.0	14.0	315.6	5.0	1188	75	DISC	DISC	30.0	Single Age
IOS1643_77	159	2.46	0.36920	0.00920	0.04973	0.00053	0.07796	318.4	6.8	312.9	3.2	351	55	312.9	3.2	1.7	Single Age
IOS1643_78	454	2.59	0.35240	0.00640	0.04693	0.00060	0.32400	306.2	4.8	295.6	3.7	377	41	295.6	3.7	3.5	Single Age
IOS1643_79	643	1.94	0.36880	0.00520	0.05058	0.00047	0.48899	318.5	3.9	318.1	2.9	318	28	318.1	2.9	0.1	Single Age
IOS1643_80	675	3.65	0.35600	0.00570	0.04751	0.00054	0.42530	308.9	4.3	299.2	3.3	376	32	299.2	3.3	3.1	Single Age
IOS1643_82	310	5.41	0.38800	0.01500	0.05130	0.00130	0.56089	332.0	11.0	322.2	7.7	399	75	322.2	7.7	3.0	Rim
IOS1643_82	433	2.35	1.38100	0.02700	0.13890	0.00250	0.64488	880.0	12.0	838.0	14.0	987	33	838.0	14.0	4.8	Core
IOS1643_83	830	3.15	0.52100	0.01600	0.04808	0.00063	0.18101	424.0	11.0	302.7	3.9	1130	63	DISC	DISC	28.6	Single Age
IOS1643_84	3050	17.08	0.24670	0.00510	0.02866	0.00054	0.50475	223.6	4.1	182.2	3.4	710	43	DISC	DISC	18.5	Single Age
IOS1643_85	0.222	-1.90	1030.00000	260.00000	8.50000	2.10000	0.99226	6800.0	220.0	13600.0	1200.0	5016	57	DISC	DISC	171.1	Single Age
IOS1643_86	374	3.95	0.52400	0.01400	0.06410	0.00110	0.58373	427.5	9.2	400.2	6.7	576	49	DISC	DISC	6.4	Single Age
IOS1643_87	538	1.99	0.38610	0.00610	0.05045	0.00056	0.45567	331.1	4.5	317.2	3.5	434	34	317.2	3.5	4.2	Single Age
IOS1643_89	862	3.33	0.37520	0.00490	0.05064	0.00054	0.45331	323.3	3.6	318.4	3.3	362	28	318.4	3.3	1.5	Single Age
IOS1643_90	1200	6.45	0.31070	0.00500	0.04075	0.00062	0.59315	274.4	3.9	257.4	3.9	423	30	DISC	DISC	6.2	Single Age
IOS1643_91	1269	1.91	0.44600	0.01400	0.05053	0.00055	0.52845	372.8	9.5	317.8	3.4	720	56	DISC	DISC	14.8	Single Age
IOS1643_93	591	1.82	0.36980	0.00520	0.05059	0.00041	0.26687	319.3	3.8	318.1	2.5	330	32	318.1	2.5	0.4	Single Age
IOS1643_94	493	3.22	0.33670	0.00900	0.04450	0.00110	0.65343	294.0	6.8	280.4	7.0	402	47	280.4	7.0	4.6	Single Age
IOS1643_95	152	1.84	0.42900	0.01300	0.05108	0.00064	0.13543	361.1	9.1	321.1	3.9	603	65	DISC	DISC	11.1	Single Age
IOS1643_96	432	2.67	0.38190	0.00830	0.05199	0.00097	0.55602	327.7	6.1	326.6	5.9	337	42	326.6	5.9	0.3	Single Age
IOS1643_97	487	2.10	0.39080	0.00670	0.04946	0.00059	0.37037	334.5	4.9	311.2	3.7	512	38	DISC	DISC	7.0	Single Age
IOS1643_98	275	1.84	0.38280	0.00710	0.05311	0.00075	0.36093	329.2	5.4	333.5	4.6	306	42	333.5	4.6	1.3	Single Age
IOS1643_99	201	1.86	0.43300	0.01200	0.05054	0.00086	0.45185	364.3	8.3	317.8	5.3	670	54	DISC	DISC	12.8	Single Age
IOS1643_100	334	2.82	0.40100	0.01200	0.05272	0.00085	0.26759	341.9	8.4	331.1	5.2	407	61	331.1	5.2	3.2	Single Age
IOS1643_101	583	3.12	0.38220	0.00690	0.05200	0.00081	0.38970	328.2	5.0	326.7	4.9	344	40	326.7	4.9	0.5	Single Age

Table A2, con't.

IOS1643_102	223	1.37	0.38600	0.00760	0.05074	0.00063	0.27804	330.9	5.6	319.0	3.9	410	44	319.0	3.9	3.6	Single Age
IOS1643_103	1820	5.41	0.28120	0.00890	0.03696	0.00087	0.43974	251.3	7.0	233.9	5.4	412	54	DISC	DISC	6.9	Rim
IOS1643_103	359.4	1.92	0.34290	0.00910	0.04598	0.00096	0.60097	298.9	6.9	289.8	5.9	371	49	289.8	5.9	3.0	Core
IOS1643_105	246	1.75	0.41200	0.01200	0.05210	0.00110	0.48220	349.4	8.4	327.2	6.9	489	57	DISC	DISC	6.4	Single Age
IOS1643_106	249	19.80	0.39570	0.00740	0.05044	0.00061	0.28528	338.1	5.4	317.2	3.8	487	43	DISC	DISC	6.2	Single Age
IOS1643_107	1880	9.50	0.26000	0.01100	0.03680	0.00180	0.80235	234.2	9.1	233.0	11.0	278	66	233.0	11.0	0.5	Rim
IOS1643_107	219	1.70	0.35950	0.00940	0.05067	0.00095	0.18720	311.3	7.1	318.6	5.8	270	63	318.6	5.8	2.3	Core
IOS1643_108	1006	5.39	0.36610	0.00570	0.04801	0.00061	0.57675	316.4	4.2	302.3	3.8	428	30	302.3	3.8	4.5	Single Age
IOS1643_109	392	5.34	0.42700	0.01600	0.05580	0.00190	0.55059	360.0	11.0	350.0	11.0	442	75	350.0	11.0	2.8	Rim
IOS1643_109	418	2.50	0.58600	0.01200	0.07630	0.00120	0.49444	469.1	8.0	474.0	7.4	457	44	474.0	7.4	1.0	Core
IOS1643_110	1122	2.20	0.37270	0.00410	0.04995	0.00060	0.50584	321.5	3.0	314.2	3.7	396	25	314.2	3.7	2.3	Single Age
IOS1643_111	356	1.80	0.36500	0.00720	0.05009	0.00066	0.52532	315.4	5.3	315.0	4.1	335	37	315.0	4.1	0.1	Single Age
IOS1643_112	4220	8.11	0.25130	0.00630	0.03283	0.00076	0.58656	227.5	5.1	208.2	4.7	451	49	DISC	DISC	8.5	Rim
IOS1643_112	917	3.95	0.65600	0.09100	0.05210	0.00120	0.47311	497.0	51.0	327.5	7.2	1260	210	DISC	DISC	34.1	Core
IOS1643_113	155.3	1.47	0.39400	0.01100	0.05144	0.00066	0.14470	336.3	7.6	323.3	4.0	430	60	323.3	4.0	3.9	Single Age
IOS1643_114	3380	5.78	0.31900	0.00560	0.04493	0.00088	0.60787	281.0	4.3	283.3	5.4	284	35	283.3	5.4	0.8	Rim
IOS1643_114	854	4.37	0.36520	0.00500	0.05138	0.00070	0.45934	315.9	3.8	322.9	4.3	284	32	322.9	4.3	2.2	Core
IOS1643_115	158.2	1.38	0.36470	0.00870	0.04842	0.00099	0.56609	315.0	6.5	304.7	6.1	409	46	304.7	6.1	3.3	Single Age
IOS1643_116	950	8.87	0.31200	0.01000	0.04320	0.00160	0.64799	275.7	8.1	272.6	9.9	324	67	272.6	9.9	1.1	Rim
IOS1643_116	472	16.52	0.36450	0.00710	0.05220	0.00072	0.56332	315.2	5.3	328.0	4.4	243	37	328.0	4.4	4.1	Core
IOS1643_117	2183	5.15	0.35770	0.00660	0.04576	0.00068	0.21917	310.2	4.9	288.4	4.2	486	43	DISC	DISC	7.0	Single Age
IOS1643_119	523	1.52	0.38240	0.00630	0.05349	0.00064	0.25135	329.1	4.5	335.9	3.9	290	38	335.9	3.9	2.1	Single Age
IOS1643_120	348	2.56	0.38700	0.01100	0.05180	0.00110	0.54361	331.9	8.4	325.2	6.6	383	57	325.2	6.6	2.0	Rim
IOS1643_120	170	0.68	1.06000	0.03200	0.11730	0.00300	0.70270	732.0	16.0	715.0	17.0	796	46	715.0	17.0	2.3	Core
IOS1643_122	2590	5.45	0.36100	0.01100	0.04650	0.00075	0.71009	313.9	8.1	292.9	4.6	452	40	DISC	DISC	6.7	Single Age
IOS1643_123	1770	3.49	0.35880	0.00560	0.04806	0.00064	0.42534	311.0	4.2	302.6	3.9	368	32	302.6	3.9	2.7	Single Age
IOS1643_124	1288	2.21	0.38170	0.00500	0.05356	0.00072	0.57970	328.6	3.8	336.3	4.4	271	30	336.3	4.4	2.3	Single Age
IOS1643_125	268.3	2.06	0.46600	0.01200	0.05289	0.00088	0.57349	387.8	8.0	332.2	5.4	740	49	DISC	DISC	14.3	Single Age

Table A2, con't.

IOS1643_126	928	4.41	0.40700	0.03200	0.04677	0.00099	0.61799	342.0	20.0	294.6	6.1	575	90	DISC	DISC	13.9	Single Age
IOS1643_127	2830	10.43	0.28810	0.00410	0.03825	0.00053	0.69921	256.9	3.2	242.0	3.3	391	29	DISC	DISC	5.8	Single Age
IOS1643_128	327	2.83	0.36930	0.00660	0.05029	0.00053	0.34386	319.3	5.0	316.3	3.3	319	39	316.3	3.3	0.9	Single Age
IOS1643_129	348	1.45	0.38380	0.00580	0.05093	0.00051	0.38579	329.5	4.3	320.2	3.1	382	35	320.2	3.1	2.8	Single Age
IOS1643_130	1482	3.53	0.39160	0.00590	0.05162	0.00065	0.59832	335.2	4.3	324.4	4.0	394	27	324.4	4.0	3.2	Single Age
IOS1643_131	314.7	3.56	0.36200	0.01500	0.03449	0.00080	0.47591	312.0	11.0	218.6	5.0	1044	77	DISC	DISC	29.9	Single Age
IOS1643_130	1482	3.53	0.39160	0.00590	0.05162	0.00065	0.59832	335.2	4.3	324.4	4.0	394	27	324.4	4.0	3.2	Single Age
IOS1643_131	314.7	3.56	0.36200	0.01500	0.03449	0.00080	0.47591	312.0	11.0	218.6	5.0	1044	77	DISC	DISC	29.9	Single Age
IOS1643_201	550	2.34	0.52500	0.02800	0.04700	0.00093	0.36723	425.0	18.0	296.0	5.7	1140	92	DISC	DISC	30.4	Single Age
IOS1643_202	335	2.59	0.69200	0.05900	0.04950	0.00110	0.64095	521.0	31.0	311.3	6.5	1560	120	DISC	DISC	40.2	Single Age
IOS1643_203	313	1.87	0.42220	0.00910	0.04769	0.00045	0.03880	356.8	6.5	300.3	2.8	726	49	DISC	DISC	15.8	Single Age
IOS1643_204	398	1.67	0.38170	0.00820	0.05236	0.00067	0.41251	327.7	6.0	328.9	4.1	309	44	328.9	4.1	0.4	Single Age
IOS1643_205	113	1.97	0.58600	0.03200	0.04860	0.00130	0.58160	465.0	20.0	305.8	8.0	1321	88	DISC	DISC	34.2	Rim
IOS1643_205	220	5.36	0.72300	0.06200	0.06640	0.00150	0.46582	544.0	34.0	414.3	8.8	1070	130	DISC	DISC	23.8	Core
IOS1643_206	275	1.59	0.37660	0.00910	0.05044	0.00067	0.23885	323.7	6.7	317.2	4.1	346	55	317.2	4.1	2.0	Single Age
IOS1643_207	321	1.76	0.37800	0.01100	0.04618	0.00092	0.13932	325.4	8.2	291.0	5.7	572	70	DISC	DISC	10.6	Single Age
IOS1643_208	3140	7.99	0.39500	0.03500	0.03783	0.00077	0.31663	331.0	24.0	239.3	4.8	990	160	DISC	DISC	27.7	Single Age
IOS1643_209	289	3.27	0.43500	0.01600	0.05560	0.00100	0.20945	366.0	11.0	348.8	6.2	460	84	348.8	6.2	4.7	Single Age
IOS1643_210	71.1	1.59	1.01800	0.02700	0.10630	0.00160	0.11023	713.0	14.0	651.2	9.4	916	66	DISC	DISC	8.7	Single Age
IOS1643_211	1446	1.81	0.32610	0.00870	0.04383	0.00099	0.65004	286.4	6.7	276.5	6.1	370	49	276.5	6.1	3.5	Single Age
IOS1643_212	184	2.84	0.62000	0.02500	0.06910	0.00130	0.41211	492.0	17.0	430.5	7.7	767	86	DISC	DISC	12.5	Single Age
IOS1643_213	2190	4.97	0.97100	0.06800	0.04094	0.00060	0.24157	690.0	37.0	258.6	3.7	2560	110	DISC	DISC	62.5	Single Age
IOS1643_214	498	1.82	0.52100	0.02100	0.04850	0.00049	0.01715	423.0	14.0	305.3	3.0	1074	81	DISC	DISC	27.8	Single Age
IOS1643_215	507	2.91	0.43420	0.00920	0.04853	0.00078	0.13961	365.8	6.6	305.4	4.8	755	58	DISC	DISC	16.5	Single Age
IOS1643_216	294	22.70	0.44700	0.03300	0.05300	0.00210	0.29377	374.0	23.0	333.0	13.0	620	150	DISC	DISC	11.0	Rim
IOS1643_216	275	2.28	0.94100	0.01700	0.10880	0.00120	0.43809	673.7	8.7	665.6	7.1	708	33	665.6	7.1	1.2	Core

Table A2, con't.

IOS1643_217	383	2.13	0.34810	0.00910	0.04600	0.00069	0.30368	304.0	7.2	289.9	4.2	403	60	289.9	4.2	4.6	Single Age
IOS1643_218	811	1.49	0.53100	0.02100	0.04750	0.00110	0.15229	432.0	14.0	299.3	6.7	1186	79	DISC	DISC	30.7	Single Age
IOS1643_219	216	2.43	0.36590	0.00920	0.05001	0.00071	0.34069	315.8	6.8	314.5	4.3	322	52	314.5	4.3	0.4	Single Age
IOS1643_220	1534	2.82	0.40100	0.01100	0.05005	0.00078	0.60938	341.5	7.8	315.6	5.0	509	46	DISC	DISC	7.6	Single Age

SAMPLE NAME: IOS1644

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1644_1	438	1.67	0.36340	0.00800	0.04972	0.00070	0.34890	314.9	6.1	312.8	4.3	317	49	312.8	4.3	0.7	Single Age
IOS1644_2	2600	9.28	0.26700	0.01300	0.03670	0.00190	0.66927	240.0	10.0	232.0	12.0	331	85	232.0	12.0	3.3	Single Age
IOS1644_3	3220	20.00	0.06340	0.00540	0.00844	0.00077	0.78354	62.3	5.1	54.2	4.9	410	110	DISC	DISC	13.0	Rim
IOS1644_3	400	1.55	0.34100	0.02000	0.04630	0.00150	0.66417	297.0	15.0	291.9	9.0	320	93	291.9	9.0	1.7	Core
IOS1644_4	4080	50.50	0.06300	0.00400	0.00764	0.00017	0.51437	62.0	3.8	49.0	1.1	580	110	DISC	DISC	21.0	Rim
IOS1644_4	431	2.35	0.35710	0.00770	0.04777	0.00047	0.03138	309.7	5.7	300.8	2.9	364	53	300.8	2.9	2.9	Core
IOS1644_5	265	1.80	0.35160	0.00850	0.04972	0.00060	0.21766	305.3	6.4	312.8	3.7	240	52	312.8	3.7	2.5	Single Age
IOS1644_6	1033	2.65	0.37830	0.00660	0.05097	0.00066	0.51441	325.4	4.9	320.4	4.1	357	32	320.4	4.1	1.5	Single Age
IOS1644_7	434	2.03	0.37110	0.00970	0.05056	0.00067	0.40686	320.7	7.4	317.9	4.1	334	51	317.9	4.1	0.9	Single Age
IOS1644_8	631	1.68	0.34860	0.00690	0.04773	0.00063	0.51205	303.2	5.2	300.5	3.8	329	36	300.5	3.8	0.9	Single Age
IOS1644_9	1780	2.87	0.34980	0.00600	0.04786	0.00062	0.51189	304.3	4.6	301.3	3.8	330	34	301.3	3.8	1.0	Single Age
IOS1644_10	507	1.90	0.27660	0.00570	0.03968	0.00044	0.21401	247.6	4.5	250.8	2.8	220	46	250.8	2.8	1.3	Single Age
IOS1644_11	360.7	1.31	0.34990	0.00760	0.04880	0.00053	0.31700	304.1	5.7	307.1	3.3	275	46	307.1	3.3	1.0	Single Age
IOS1644_12	529	1.96	0.38770	0.00620	0.05204	0.00064	0.47055	332.4	4.5	327.0	3.9	367	35	327.0	3.9	1.6	Single Age
IOS1644_13	550	1.84	0.35500	0.01400	0.04870	0.00140	0.34025	307.0	10.0	306.4	8.9	310	83	306.4	8.9	0.2	Single Age
IOS1644_14	298	1.60	0.34790	0.00770	0.04780	0.00066	0.31435	302.6	5.8	300.9	4.1	315	49	300.9	4.1	0.6	Single Age
IOS1644_15	234.2	1.81	0.36020	0.00790	0.04938	0.00051	0.28866	312.5	6.1	310.7	3.1	317	48	310.7	3.1	0.6	Single Age

Table A2, con't.

IOS1644_16	1100	10.68	0.28100	0.00550	0.03837	0.00052	0.52450	251.2	4.3	242.7	3.2	326	38	242.7	3.2	3.4	Single Age
IOS1644_17	558	1.97	0.36900	0.00570	0.05086	0.00043	0.59152	318.6	4.2	319.8	2.6	307	34	319.8	2.6	0.4	Single Age
IOS1644_18	1888	3.66	0.23430	0.00970	0.03012	0.00061	0.57069	215.7	9.0	191.3	3.8	537	94	DISC	DISC	11.3	Single Age
IOS1644_19	121	1.56	0.38500	0.01400	0.05084	0.00099	0.18491	329.0	10.0	319.6	6.1	392	78	319.6	6.1	2.9	Single Age
IOS1644_20	406	1.76	0.34910	0.00710	0.04767	0.00060	0.22617	303.6	5.4	300.1	3.7	324	47	300.1	3.7	1.2	Single Age
IOS1644_21	501	1.48	0.34180	0.00640	0.04632	0.00044	0.24826	298.2	4.9	291.9	2.7	339	41	291.9	2.7	2.1	Single Age
IOS1644_22	268	1.43	0.34500	0.01100	0.04778	0.00070	0.20273	300.6	8.1	300.9	4.3	284	69	300.9	4.3	0.1	Single Age
IOS1644_23	499	5.27	0.36900	0.01300	0.04900	0.00140	0.67999	318.0	10.0	308.4	8.4	370	59	308.4	8.4	3.0	Single Age
IOS1644_24	443	3.36	0.38800	0.01000	0.04984	0.00086	0.38425	332.1	7.4	313.5	5.3	450	51	DISC	DISC	5.6	Single Age
IOS1644_25	1520	23.70	0.12570	0.00880	0.01487	0.00065	0.66008	120.2	7.9	95.1	4.1	640	140	DISC	DISC	20.9	Rim
IOS1644_25	141.3	1.12	5.15300	0.08900	0.31400	0.00410	0.75422	1845.0	14.0	1759.0	20.0	1936	20	1936.0	20.0	9.1	Core
IOS1644_26	1252	4.85	0.33500	0.04700	0.03490	0.00240	0.32564	291.0	35.0	221.0	15.0	850	250	DISC	DISC	24.1	Rim
IOS1644_26	340	2.37	0.37670	0.00990	0.05079	0.00084	0.42950	323.9	7.2	319.3	5.1	357	53	319.3	5.1	1.4	Core
IOS1644_27	5240	64.80	0.07990	0.00700	0.01000	0.00100	0.63218	77.8	6.6	64.3	6.5	550	160	DISC	DISC	17.4	Rim
IOS1644_27	3650	18.30	0.14600	0.01000	0.01850	0.00140	0.86422	137.6	9.1	118.2	8.8	490	71	DISC	DISC	14.1	Core
IOS1644_28	238	1.87	0.36740	0.00990	0.04990	0.00100	0.37697	316.7	7.4	314.1	6.4	330	61	314.1	6.4	0.8	Single Age
IOS1644_29	231	2.26	0.36700	0.01400	0.04950	0.00100	0.29488	316.0	10.0	311.1	6.4	347	78	311.1	6.4	1.6	Rim
IOS1644_29	103.1	1.89	0.47400	0.02200	0.06350	0.00180	0.37275	392.0	15.0	397.0	11.0	346	95	397.0	11.0	1.3	Core
IOS1644_31	673	2.51	0.38700	0.01200	0.05170	0.00110	0.54058	331.3	8.4	324.6	7.0	366	57	324.6	7.0	2.0	Single Age
IOS1644_32	338	1.99	0.37720	0.00770	0.05074	0.00062	0.10289	324.5	5.7	319.0	3.8	354	48	319.0	3.8	1.7	Single Age
IOS1644_33	461	2.92	0.35840	0.00820	0.04656	0.00064	0.38698	310.5	6.0	293.3	3.9	418	47	DISC	DISC	5.5	Single Age
IOS1644_34	1209	2.81	0.35260	0.00550	0.04828	0.00062	0.53157	306.4	4.1	303.9	3.8	319	32	303.9	3.8	0.8	Single Age
IOS1644_35	332	1.41	0.35700	0.00750	0.04955	0.00060	0.19378	309.4	5.6	311.7	3.7	291	48	311.7	3.7	0.7	Single Age
IOS1644_36	253.8	2.19	0.36190	0.00830	0.04965	0.00076	0.40367	313.0	6.2	312.3	4.7	306	48	312.3	4.7	0.2	Single Age
IOS1644_37	365	2.52	0.36360	0.00900	0.04837	0.00075	0.47871	314.0	6.7	304.5	4.6	368	52	304.5	4.6	3.0	Single Age
IOS1644_38	881	3.48	0.33190	0.00690	0.04542	0.00084	0.74630	290.5	5.3	286.3	5.2	325	32	286.3	5.2	1.4	Single Age

Table A2, con't.

IOS1644_39	369	2.49	0.35420	0.00660	0.04868	0.00051	0.13514	307.4	5.0	306.8	3.2	306	44	306.8	3.2	0.2	Single Age
IOS1644_40	4700	5.57	0.24600	0.06200	0.02010	0.00062	0.60132	218.0	48.0	128.3	3.9	1120	380	DISC	DISC	41.1	Rim
IOS1644_40	1472	1.58	0.34770	0.00490	0.04721	0.00042	0.34872	302.8	3.7	297.3	2.6	339	30	297.3	2.6	1.8	Core
IOS1644_41	187	1.81	0.35770	0.00950	0.04906	0.00085	0.32236	310.5	7.3	308.7	5.2	323	57	308.7	5.2	0.6	Single Age
IOS1644_42	555	2.69	0.35130	0.00630	0.04808	0.00046	0.37442	305.3	4.7	302.7	2.8	318	38	302.7	2.8	0.9	Single Age
IOS1644_43	695	2.98	0.34340	0.00660	0.04636	0.00064	0.57949	300.0	5.2	292.1	3.9	354	35	292.1	3.9	2.6	Single Age
IOS1644_44	889	2.97	0.35320	0.00520	0.04770	0.00046	0.35514	306.9	3.9	300.4	2.8	360	32	300.4	2.8	2.1	Single Age
IOS1644_45	1540	3.00	0.36260	0.00570	0.04919	0.00041	0.01672	314.5	4.1	309.6	2.5	332	38	309.6	2.5	1.6	Single Age
IOS1644_46	318	1.76	0.37030	0.00850	0.04977	0.00080	0.55038	319.2	6.3	313.0	4.9	360	44	313.0	4.9	1.9	Single Age
IOS1644_47	410	1.86	0.35810	0.00750	0.04887	0.00065	0.36797	310.3	5.6	307.5	4.0	328	44	307.5	4.0	0.9	Single Age
IOS1644_48	1199	2.13	0.37130	0.00700	0.05146	0.00083	0.58123	320.2	5.1	323.4	5.1	293	36	323.4	5.1	1.0	Single Age
IOS1644_49	212.8	2.01	0.37630	0.00980	0.05290	0.00092	0.39976	324.3	7.4	332.2	5.6	266	54	332.2	5.6	2.4	Single Age
IOS1644_50	2230	5.58	0.35960	0.00570	0.05080	0.00078	0.74656	311.6	4.2	319.4	4.8	259	25	319.4	4.8	2.5	Single Age

SAMPLE NAME: IOS1645

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1645_1	481	1.81	0.36830	0.00930	0.04989	0.00064	0.30408	318.4	6.7	313.8	3.9	335	53	313.8	3.9	1.4	Single Age
IOS1645_2	343	1.43	0.36720	0.00740	0.05005	0.00056	0.22125	317.1	5.5	314.8	3.4	316	45	314.8	3.4	0.7	Single Age
IOS1645_3	207.1	2.50	0.35600	0.01100	0.04960	0.00083	0.22070	308.3	8.3	312.0	5.1	270	68	312.0	5.1	1.2	Single Age
IOS1645_4	852	4.71	0.37230	0.00710	0.05031	0.00071	0.35661	320.9	5.2	316.4	4.4	346	43	316.4	4.4	1.4	Single Age
IOS1645_5	1306	9.58	5.48000	0.20000	0.30000	0.01100	0.66732	1893.0	30.0	1684.0	55.0	2145	56	2145.0	56.0	21.5	Single Age
IOS1645_6	651	3.36	0.36790	0.00970	0.05011	0.00097	0.50855	317.6	7.2	315.2	6.0	327	52	315.2	6.0	0.8	Single Age
IOS1645_7	431	2.07	0.37400	0.01100	0.05047	0.00085	0.37761	321.9	7.9	317.4	5.2	343	59	317.4	5.2	1.4	Single Age
IOS1645_8	3700	30.40	0.05170	0.00920	0.00769	0.00077	0.96459	51.1	8.9	49.4	4.9	110	200	49.4	4.9	3.3	Rim

Table A2, con't.

IOS1645_8	364	3.19	0.36990	0.00900	0.05105	0.00061	0.31242	318.9	6.7	321.4	3.9	287	51	321.4	3.9	0.8	Core
IOS1645_9	287	1.38	0.37820	0.00960	0.05095	0.00076	0.32731	324.8	7.1	320.3	4.7	344	55	320.3	4.7	1.4	Single Age
IOS1645_10	613	1.53	0.34770	0.00620	0.04735	0.00053	0.28822	303.3	4.8	298.2	3.2	334	39	298.2	3.2	1.7	Single Age
IOS1645_11	612	1.19	0.38050	0.00680	0.05067	0.00056	0.35732	326.9	5.0	318.6	3.5	377	38	318.6	3.5	2.5	Single Age
IOS1645_12	323	1.72	0.37740	0.00750	0.05207	0.00055	0.15526	324.6	5.5	327.2	3.3	292	45	327.2	3.3	0.8	Single Age
IOS1645_13	288	1.20	0.37100	0.00990	0.04872	0.00070	0.24326	319.6	7.2	306.6	4.3	398	58	306.6	4.3	4.1	Single Age
IOS1645_14	1680	4.49	0.40750	0.00780	0.05531	0.00081	0.50693	346.7	5.6	347.0	5.0	336	38	347.0	5.0	0.1	Single Age
IOS1645_15	1275	2.25	0.38800	0.00490	0.05388	0.00051	0.29552	332.8	3.6	338.3	3.1	289	30	338.3	3.1	1.7	Single Age
IOS1645_16	239.7	4.40	0.38900	0.01100	0.05327	0.00085	0.51058	332.6	7.9	334.5	5.2	306	52	334.5	5.2	0.6	Single Age
IOS1645_17	3260	6.85	0.37850	0.00690	0.05238	0.00083	0.71082	325.8	5.1	329.1	5.1	303	27	329.1	5.1	1.0	Single Age
IOS1645_18	235	1.45	0.37800	0.01200	0.05211	0.00084	0.39445	324.6	8.6	327.4	5.2	296	61	327.4	5.2	0.9	Single Age
IOS1645_19	700	3.64	0.38640	0.00740	0.05196	0.00072	0.40132	331.2	5.4	326.5	4.4	361	42	326.5	4.4	1.4	Single Age
IOS1645_20	1289	2.04	0.36000	0.00530	0.04950	0.00071	0.54476	311.9	4.0	311.4	4.4	317	30	311.4	4.4	0.2	Single Age
IOS1645_21	185	1.95	0.38500	0.01200	0.05176	0.00087	0.25853	329.7	9.2	325.2	5.3	344	68	325.2	5.3	1.4	Single Age
IOS1645_22	992	2.23	0.37290	0.00730	0.05060	0.00071	0.48645	321.4	5.4	318.2	4.3	341	41	318.2	4.3	1.0	Single Age
IOS1645_23	516	3.07	0.40000	0.01100	0.05510	0.00130	0.59872	340.8	7.9	345.7	7.9	300	53	345.7	7.9	1.4	Single Age
IOS1645_24	299.3	1.82	0.35400	0.01100	0.04855	0.00091	0.21590	306.8	7.9	305.5	5.6	306	67	305.5	5.6	0.4	Single Age
IOS1645_25	418	1.31	0.37420	0.00760	0.05150	0.00067	0.34480	322.9	5.7	323.7	4.1	307	44	323.7	4.1	0.2	Single Age
IOS1645_26	597	4.02	0.35850	0.00700	0.04881	0.00060	0.34808	310.6	5.2	307.2	3.7	325	41	307.2	3.7	1.1	Single Age
IOS1645_27	1620	2.77	0.38200	0.00450	0.05195	0.00052	0.48031	328.4	3.3	326.5	3.2	331	26	326.5	3.2	0.6	Single Age
IOS1645_32	303	9.24	0.42270	0.00860	0.05439	0.00096	0.95036	348.6	6.0	339.9	5.8	400	13	339.9	5.8	2.5	Single Age
IOS1645_28	1253	6.40	0.25600	0.01600	0.03320	0.00160	0.66127	231.0	13.0	210.6	9.7	430	110	DISC	DISC	8.8	Rim
IOS1645_28	1402	2.61	0.36500	0.01000	0.04689	0.00084	0.59149	316.7	7.9	295.3	5.2	456	48	DISC	DISC	6.8	Core
IOS1645_29	933	1.65	0.36610	0.00630	0.05080	0.00069	0.41288	316.4	4.6	319.4	4.2	290	36	319.4	4.2	0.9	Single Age
IOS1645_30	230	1.75	0.38200	0.01100	0.05171	0.00065	0.35238	327.4	7.7	325.5	4.1	317	55	325.5	4.1	0.6	Single Age

Table A2, con't.

IOS1645_31	734	2.59	0.39160	0.00920	0.05237	0.00097	0.46926	335.0	6.7	329.0	5.9	369	48	329.0	5.9	1.8	Single Age
IOS1645_32	278	1.46	0.36060	0.00890	0.04943	0.00066	0.08834	312.0	6.6	311.0	4.0	305	54	311.0	4.0	0.3	Single Age
IOS1645_33	478	2.30	0.37400	0.01200	0.04940	0.00170	0.45242	321.7	9.2	311.0	10.0	400	75	311.0	10.0	3.3	Rim
IOS1645_33	529	3.21	0.65700	0.03300	0.08210	0.00240	0.84308	512.0	20.0	508.0	14.0	517	74	508.0	14.0	0.8	Core
IOS1645_34	403	10.10	0.37800	0.01000	0.05103	0.00098	0.50963	324.9	7.5	320.8	6.0	337	54	320.8	6.0	1.3	Single Age
IOS1645_35	1780	5.86	0.38590	0.00620	0.05087	0.00062	0.63447	331.1	4.5	319.8	3.8	398	28	319.8	3.8	3.4	Single Age
IOS1645_36	1096	7.72	0.40390	0.00850	0.05430	0.00100	0.63775	344.0	6.2	340.7	6.3	360	38	340.7	6.3	1.0	Rim
IOS1645_36	284	1.74	0.58100	0.02700	0.07180	0.00140	0.00066	464.0	18.0	446.7	8.2	530	110	446.7	8.2	3.7	Core
IOS1645_37	571	2.29	0.35720	0.00620	0.04812	0.00059	0.48259	310.4	4.8	302.9	3.6	361	37	302.9	3.6	2.4	Single Age
IOS1645_38	2710	13.60	0.08530	0.00550	0.01147	0.00066	0.68405	83.1	5.2	73.5	4.2	350	110	DISC	DISC	11.6	Rim
IOS1645_38	432	2.09	0.36520	0.00960	0.04885	0.00081	0.36845	315.5	7.1	307.4	5.0	362	56	307.4	5.0	2.6	Core
IOS1645_39	340	1.29	0.38630	0.00820	0.05164	0.00079	0.21856	331.1	6.0	324.5	4.9	368	52	324.5	4.9	2.0	Single Age
IOS1645_40	4340	23.40	0.05130	0.00270	0.00727	0.00019	0.38528	50.8	2.6	46.7	1.2	230	110	DISC	DISC	8.1	Rim
IOS1645_40	449	2.13	0.38910	0.00920	0.05330	0.00057	0.19964	333.1	6.7	334.7	3.5	305	51	334.7	3.5	0.5	Core
IOS1645_41	771	2.36	3.41400	0.08900	0.20610	0.00210	0.35231	1511.0	23.0	1208.0	11.0	1955	44	DISC	DISC	38.2	Single Age
IOS1645_42	330.7	1.87	0.38840	0.00960	0.04949	0.00049	0.06707	332.4	6.8	311.4	3.0	456	52	DISC	DISC	6.3	Single Age
IOS1645_43	63.4	2.19	0.35300	0.02600	0.04670	0.00110	0.19853	304.0	19.0	294.5	6.8	330	140	294.5	6.8	3.1	Single Age
IOS1645_44	571	1.94	0.37650	0.00800	0.05068	0.00064	0.46071	323.9	5.9	318.7	3.9	339	42	318.7	3.9	1.6	Single Age
IOS1645_45	286	1.32	0.37570	0.00880	0.05077	0.00062	0.30439	323.1	6.5	319.2	3.8	332	48	319.2	3.8	1.2	Single Age
IOS1645_46	1230	4.13	0.37090	0.00650	0.04892	0.00058	0.35456	319.9	4.8	307.8	3.6	384	38	307.8	3.6	3.8	Single Age
IOS1645_47	469	1.99	0.37630	0.00770	0.05071	0.00056	0.27587	324.4	5.5	318.9	3.4	339	45	318.9	3.4	1.7	Single Age
IOS1645_48	136.7	2.05	0.38200	0.01200	0.04994	0.00083	0.23415	327.5	8.5	314.1	5.1	402	66	314.1	5.1	4.1	Single Age
IOS1645_49	192	1.17	0.35970	0.00980	0.04988	0.00060	0.03549	311.0	7.3	313.7	3.7	291	63	313.7	3.7	0.9	Single Age
IOS1645_50	396	1.75	0.35900	0.00820	0.04883	0.00077	0.29394	311.7	6.3	307.3	4.7	338	53	307.3	4.7	1.4	Single Age

Table A2, con't.

SAMPLE NAME: IOS1646																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1646_1	194	3.50	0.36200	0.01200	0.04948	0.00084	0.11979	314.1	9.2	311.2	5.2	308	75	311.2	5.2	0.9	Single Age
IOS1646_2	976	2.85	0.35160	0.00470	0.04895	0.00035	0.35768	306.1	3.6	308.1	2.1	284	29	308.1	2.1	0.7	Single Age
IOS1646_3	455	2.36	0.38000	0.01400	0.05087	0.00081	0.23559	325.0	10.0	319.8	5.0	350	73	319.8	5.0	1.6	Single Age
IOS1646_4	53.56	0.43	0.36700	0.01900	0.04867	0.00091	0.19458	315.0	14.0	306.3	5.6	360	110	306.3	5.6	2.8	Single Age
IOS1646_5	1910	22.30	0.34670	0.00480	0.04742	0.00045	0.17260	302.0	3.6	298.7	2.8	320	30	298.7	2.8	1.1	Single Age
IOS1646_6	13.5	0.74	0.34200	0.03900	0.04810	0.00160	0.09897	287.0	29.0	302.5	9.6	180	200	DISC	DISC	5.4	Single Age
IOS1646_7	337	3.25	0.34470	0.00790	0.04904	0.00059	0.30557	300.3	5.9	308.6	3.6	235	50	308.6	3.6	2.8	Single Age
IOS1646_8	903	5.96	0.34890	0.00480	0.04859	0.00050	0.42271	304.4	3.8	305.8	3.1	291	31	305.8	3.1	0.5	Rim
IOS1646_8	445	2.25	0.37660	0.00950	0.05266	0.00075	0.16405	324.3	7.0	330.8	4.6	263	59	330.8	4.6	2.0	Core
IOS1646_9	408	7.78	0.35500	0.01400	0.05000	0.00110	0.50190	308.0	10.0	314.6	6.7	255	71	314.6	6.7	2.1	Single Age
IOS1646_10	754	3.74	0.34760	0.00480	0.04779	0.00033	0.28587	302.7	3.6	300.9	2.1	306	30	300.9	2.1	0.6	Single Age
IOS1646_11	880	4.70	0.35190	0.00960	0.04758	0.00071	0.37355	305.9	7.2	299.7	4.3	351	59	299.7	4.3	2.0	Single Age
IOS1646_12	790	11.01	0.36940	0.00670	0.04929	0.00041	0.19008	318.8	4.9	310.1	2.5	370	40	310.1	2.5	2.7	Single Age
IOS1646_13	377.7	7.36	0.35410	0.00640	0.04856	0.00032	0.07756	307.4	4.8	305.7	2.0	307	41	305.7	2.0	0.6	Single Age
IOS1646_14	80	1.34	0.37200	0.02100	0.05059	0.00088	0.07463	317.0	15.0	318.0	5.4	340	120	318.0	5.4	0.3	Single Age
IOS1646_15	418	2.36	0.37730	0.00730	0.05062	0.00049	0.30601	324.6	5.4	318.3	3.0	358	42	318.3	3.0	1.9	Single Age
IOS1646_16	707	3.23	0.34570	0.00550	0.04675	0.00041	0.33521	301.2	4.2	294.5	2.5	341	35	294.5	2.5	2.2	Single Age
IOS1646_17	591	8.28	0.36580	0.00810	0.04852	0.00062	0.34708	316.1	6.0	305.4	3.8	386	46	305.4	3.8	3.4	Single Age
IOS1646_18	317	4.63	0.36540	0.00980	0.04874	0.00056	0.29693	317.4	7.8	306.8	3.4	374	55	306.8	3.4	3.3	Single Age
IOS1646_19	432	6.01	0.35090	0.00770	0.04809	0.00042	0.03897	304.8	5.8	302.8	2.6	306	47	302.8	2.6	0.7	Single Age
IOS1646_20	1540	10.35	0.30850	0.00630	0.04242	0.00057	0.52870	272.8	4.9	267.8	3.5	313	38	267.8	3.5	1.8	Single Age
IOS1646_21	1740	13.50	0.33980	0.00510	0.04634	0.00046	0.35817	296.9	3.9	292.0	2.8	328	32	292.0	2.8	1.7	Rim

Table A2, con't.

IOS1646_21	557	5.68	0.37480	0.00870	0.05231	0.00059	0.29871	322.9	6.5	328.7	3.6	271	51	328.7	3.6	1.8	Core
IOS1646_22	1710	11.20	0.37230	0.00640	0.04932	0.00048	0.39071	321.2	4.7	310.3	2.9	399	36	310.3	2.9	3.4	Single Age
IOS1646_23	807	4.08	0.35200	0.00460	0.04831	0.00033	0.20140	306.0	3.5	304.1	2.0	307	30	304.1	2.0	0.6	Single Age
IOS1646_24	24.7	1.01	0.35400	0.02700	0.04860	0.00110	0.10210	301.0	20.0	305.8	6.8	230	140	305.8	6.8	1.6	Single Age
IOS1646_25	385	5.73	0.42900	0.01400	0.04822	0.00053	0.44875	360.0	10.0	303.6	3.3	703	61	DISC	DISC	15.7	Single Age
IOS1646_26	556	1.59	0.35480	0.00530	0.04959	0.00038	0.29355	308.0	4.0	312.0	2.3	266	33	312.0	2.3	1.3	Single Age
IOS1646_27	577	3.19	0.35900	0.00650	0.04933	0.00047	0.33547	311.0	4.9	310.4	2.9	302	39	310.4	2.9	0.2	Single Age
IOS1646_28	1640	5.00	0.36100	0.00470	0.04862	0.00042	0.46375	312.8	3.5	306.0	2.6	361	26	306.0	2.6	2.2	Single Age
IOS1646_29	494	2.57	0.35440	0.00710	0.04867	0.00044	0.05790	307.6	5.3	306.3	2.7	299	45	306.3	2.7	0.4	Single Age
IOS1646_30	1200	5.30	0.36100	0.01300	0.04890	0.00120	0.35712	312.7	9.6	308.0	7.6	354	85	308.0	7.6	1.5	Single Age
IOS1646_31	370	1.77	0.37660	0.00810	0.05058	0.00043	0.05875	324.2	5.9	318.1	2.7	361	50	318.1	2.7	1.9	Single Age
IOS1646_32	1067	2.22	0.35980	0.00440	0.04968	0.00042	0.30317	312.3	3.3	312.5	2.6	296	28	312.5	2.6	0.1	Single Age
IOS1646_33	1950	14.70	0.37330	0.00870	0.04821	0.00078	0.18871	321.8	6.4	303.5	4.8	452	43	DISC	DISC	5.7	Rim
IOS1646_33	38.67	0.69	0.44500	0.04300	0.05360	0.00160	0.03806	368.0	30.0	336.4	9.9	500	190	DISC	DISC	8.6	Core
IOS1646_34	738	4.29	0.36900	0.00830	0.04738	0.00071	0.52829	318.3	6.1	298.4	4.3	461	41	DISC	DISC	6.3	Single Age
IOS1646_35	872	9.17	0.36910	0.00540	0.05064	0.00044	0.47909	318.7	4.0	318.4	2.7	305	30	318.4	2.7	0.1	Single Age
IOS1646_37	1047	6.61	0.35830	0.00770	0.04962	0.00066	0.27095	310.8	5.7	312.2	4.0	297	49	312.2	4.0	0.5	Single Age
IOS1646_38	644	2.96	0.35120	0.00560	0.04780	0.00048	0.40662	305.3	4.2	301.0	3.0	340	32	301.0	3.0	1.4	Single Age
IOS1646_39	1183	5.22	0.35700	0.00400	0.04881	0.00035	0.44624	310.2	3.1	307.2	2.2	322	23	307.2	2.2	1.0	Single Age
IOS1646_40	676	2.51	0.38560	0.00790	0.05126	0.00053	0.43900	330.5	5.8	322.2	3.3	375	40	322.2	3.3	2.5	Single Age
IOS1646_41	655	2.27	0.35980	0.00690	0.04892	0.00051	0.37396	312.4	5.0	307.9	3.1	335	42	307.9	3.1	1.4	Rim
IOS1646_41	70	1.21	0.44800	0.04600	0.06270	0.00250	0.28981	373.0	32.0	392.0	15.0	240	190	DISC	DISC	5.1	Core
IOS1646_42	2870	26.20	0.34880	0.00460	0.04623	0.00043	0.18263	303.6	3.5	291.3	2.6	395	27	291.3	2.6	4.1	Single Age
IOS1646_43	314	2.33	0.39200	0.01300	0.05160	0.00120	0.02819	335.3	9.5	324.5	7.3	402	68	324.5	7.3	3.2	Single Age
IOS1646_44	539	3.15	0.37360	0.00790	0.05113	0.00067	0.24243	322.0	5.8	321.4	4.1	325	49	321.4	4.1	0.2	Single Age
IOS1646_45	513	2.33	0.36690	0.00590	0.05060	0.00053	0.22179	317.0	4.3	318.2	3.2	294	31	318.2	3.2	0.4	Single Age

Table A2, con't.

IOS1646_46	1111	3.28	0.35260	0.00570	0.04823	0.00063	0.47779	306.3	4.3	303.6	3.9	324	34	303.6	3.9	0.9	Single Age
IOS1646_47	1280	49.00	0.37200	0.00880	0.05090	0.00073	0.54729	320.8	6.5	320.0	4.5	325	44	320.0	4.5	0.2	Single Age
IOS1646_48	985	2.98	0.36350	0.00500	0.04975	0.00036	0.35577	314.6	3.7	312.9	2.2	316	30	312.9	2.2	0.5	Single Age
IOS1646_49	1180	7.44	0.37510	0.00750	0.04896	0.00078	0.39537	323.0	5.6	308.1	4.8	426	46	308.1	4.8	4.6	Rim
IOS1646_49	86.7	2.39	0.70600	0.04300	0.05870	0.00150	0.03188	540.0	26.0	367.8	8.9	1320	140	DISC	DISC	31.9	Core
IOS1646_50	772	5.37	0.36020	0.00570	0.04869	0.00043	0.40813	312.6	4.1	306.5	2.6	347	32	306.5	2.6	2.0	Single Age

SAMPLE NAME: IOS1647

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1647_1	183.7	1.26	0.25850	0.00820	0.03693	0.00046	0.13748	232.8	6.6	233.8	2.8	218	67	233.8	2.8	0.4	Single Age
IOS1647_2	190.3	1.32	0.25460	0.00830	0.03673	0.00048	0.14322	229.6	6.8	232.5	3.0	193	69	232.5	3.0	1.3	Single Age
IOS1647_3	166.9	1.74	0.26800	0.00770	0.03717	0.00045	0.19333	240.4	6.2	235.3	2.8	273	61	235.3	2.8	2.1	Single Age
IOS1647_4	143	1.16	0.26220	0.00900	0.03583	0.00046	0.09335	235.6	7.3	226.9	2.8	307	73	226.9	2.8	3.7	Single Age
IOS1647_5	249	2.06	0.27120	0.00720	0.03812	0.00064	0.33275	243.1	5.7	241.1	4.0	254	55	241.1	4.0	0.8	Single Age
IOS1647_6	304.4	1.38	0.25820	0.00650	0.03673	0.00060	0.30799	232.8	5.3	232.5	3.7	233	54	232.5	3.7	0.1	Single Age
IOS1647_7	134.8	2.14	0.29200	0.01100	0.03897	0.00083	0.21885	259.1	8.5	246.4	5.2	350	77	246.4	5.2	4.9	Single Age
IOS1647_8	263	1.96	0.30200	0.01100	0.04100	0.00110	0.46362	266.7	8.4	258.9	6.8	338	65	258.9	6.8	2.9	Single Age
IOS1647_9	84.2	1.72	0.43300	0.02100	0.03907	0.00086	0.17839	362.0	15.0	247.0	5.3	1140	100	DISC	DISC	31.8	Single Age
IOS1647_10	145	2.32	0.29600	0.01300	0.03996	0.00087	0.23969	262.0	10.0	252.5	5.4	344	96	252.5	5.4	3.6	Single Age
IOS1647_11	371	2.95	0.23430	0.00970	0.03350	0.00130	0.40763	213.2	7.9	212.4	8.0	225	90	212.4	8.0	0.4	Single Age
IOS1647_12	150	1.79	0.27160	0.00990	0.03900	0.00080	0.38454	242.8	7.9	246.6	5.0	225	71	246.6	5.0	1.6	Single Age
IOS1647_13	168	1.33	0.26970	0.00830	0.03850	0.00057	0.31484	241.8	6.7	243.5	3.6	222	61	243.5	3.6	0.7	Single Age
IOS1647_14	544	1.82	0.29090	0.00880	0.03874	0.00062	0.23403	258.9	6.9	245.0	3.9	375	71	DISC	DISC	5.4	Single Age
IOS1647_15	133.6	1.67	0.27220	0.00900	0.03842	0.00063	0.22773	244.3	7.2	243.0	3.9	245	68	243.0	3.9	0.5	Single Age

Table A2, con't.

IOS1647_16	111	1.59	0.28900	0.01200	0.03837	0.00061	0.27845	256.3	9.6	242.7	3.8	379	90	DISC	DISC	5.3	Single Age
IOS1647_17	136	1.62	0.29400	0.01400	0.03843	0.00054	0.24993	260.0	10.0	243.0	3.3	380	92	DISC	DISC	6.5	Single Age
IOS1647_18	231	1.39	0.27790	0.00930	0.03756	0.00056	0.24123	248.1	7.3	237.7	3.5	324	69	237.7	3.5	4.2	Single Age
IOS1647_19	146	2.20	0.29400	0.01100	0.04026	0.00087	0.19359	260.0	8.8	254.3	5.4	299	79	254.3	5.4	2.2	Single Age
IOS1647_20	100.3	1.69	0.26700	0.01000	0.03763	0.00065	0.05227	239.9	8.3	238.1	4.1	259	83	238.1	4.1	0.8	Single Age
IOS1647_21	150.8	1.64	0.27300	0.01100	0.03841	0.00087	0.36402	243.8	8.4	242.9	5.4	248	76	242.9	5.4	0.4	Single Age
IOS1647_22	216	1.57	0.27630	0.00850	0.03837	0.00048	0.23546	247.0	6.8	242.7	3.0	277	64	242.7	3.0	1.7	Single Age
IOS1647_23	177	1.46	0.26210	0.00850	0.03817	0.00050	0.13166	235.6	6.8	241.4	3.1	171	66	241.4	3.1	2.5	Single Age
IOS1647_24	163.3	1.53	0.27200	0.01200	0.03901	0.00061	0.03012	245.0	9.5	246.7	3.8	210	100	246.7	3.8	0.7	Single Age
IOS1647_25	253	1.56	0.28300	0.01100	0.03961	0.00076	0.42428	251.9	9.0	250.4	4.7	245	77	250.4	4.7	0.6	Single Age
IOS1647_26	154.2	1.82	0.28430	0.00850	0.03999	0.00056	0.15304	253.2	6.7	252.7	3.5	250	64	252.7	3.5	0.2	Single Age
IOS1647_27	109	2.06	0.33200	0.02500	0.03673	0.00082	0.15459	288.0	18.0	232.5	5.1	690	140	DISC	DISC	19.3	Single Age
IOS1647_28	232	1.47	0.29500	0.01500	0.03931	0.00082	0.43863	262.0	12.0	248.5	5.1	356	92	DISC	DISC	5.2	Single Age
IOS1647_29	210	1.53	0.26740	0.00680	0.03802	0.00044	0.18131	240.1	5.4	240.6	2.7	225	54	240.6	2.7	0.2	Single Age
IOS1647_30	309	2.70	0.26740	0.00860	0.03776	0.00045	0.25494	241.3	7.2	238.9	2.8	252	69	238.9	2.8	1.0	Single Age
IOS1647_31	143.3	1.33	0.28400	0.01000	0.03875	0.00064	0.20081	252.4	8.2	245.0	4.0	314	77	245.0	4.0	2.9	Single Age
IOS1647_32	164	1.69	0.28400	0.01200	0.04131	0.00097	0.35766	252.5	9.4	260.9	6.0	165	75	260.9	6.0	3.3	Single Age
IOS1647_33	92.9	1.81	0.28600	0.01400	0.03945	0.00072	0.08664	254.0	11.0	249.4	4.5	280	110	249.4	4.5	1.8	Single Age
IOS1647_34	112.3	1.61	0.25300	0.01200	0.03819	0.00064	0.07080	228.2	9.4	241.5	3.9	112	91	DISC	DISC	5.8	Single Age
IOS1647_35	116	1.41	0.29800	0.01400	0.03753	0.00072	0.00784	263.0	11.0	237.4	4.5	460	110	DISC	DISC	9.7	Single Age
IOS1647_36	141.5	1.47	0.25790	0.00920	0.03747	0.00059	0.25702	232.0	7.4	237.1	3.7	192	72	237.1	3.7	2.2	Single Age
IOS1647_37	233	1.46	0.26310	0.00840	0.03810	0.00052	0.35380	236.4	6.7	241.0	3.2	171	59	241.0	3.2	1.9	Single Age
IOS1647_38	205	1.11	0.27700	0.01400	0.03815	0.00064	0.49099	247.0	11.0	241.3	4.0	277	94	241.3	4.0	2.3	Single Age
IOS1647_39	105.5	1.18	0.26540	0.00960	0.03752	0.00058	0.08233	238.1	7.7	237.4	3.6	237	82	237.4	3.6	0.3	Single Age
IOS1647_40	237	1.47	0.26210	0.00700	0.03746	0.00047	0.12250	235.8	5.6	237.0	2.9	227	59	237.0	2.9	0.5	Single Age

Table A2, con't.

IOS1647_41	165.8	1.88	0.27570	0.00870	0.03797	0.00063	0.28680	246.4	6.9	240.2	3.9	291	64	240.2	3.9	2.5	Single Age
IOS1647_43	112	1.72	0.26300	0.01000	0.03712	0.00056	0.10812	235.9	8.2	234.9	3.5	235	79	234.9	3.5	0.4	Single Age
IOS1647_44	79.6	1.81	0.28300	0.01200	0.03842	0.00063	0.05254	251.2	9.6	243.0	3.9	311	90	243.0	3.9	3.3	Single Age
IOS1647_45	247	1.69	0.26050	0.00700	0.03659	0.00051	0.21145	234.5	5.7	231.6	3.2	257	59	231.6	3.2	1.2	Single Age
IOS1647_46	167	3.36	0.25800	0.01300	0.03690	0.00140	0.35495	231.0	10.0	233.4	8.6	216	99	233.4	8.6	1.0	Single Age
IOS1647_47	232	1.86	0.25700	0.00810	0.03664	0.00071	0.35084	231.5	6.6	231.9	4.4	234	67	231.9	4.4	0.2	Single Age
IOS1647_48	99.3	2.46	0.26130	0.00970	0.03708	0.00056	0.04354	234.6	7.8	234.7	3.5	225	78	234.7	3.5	0.0	Single Age
IOS1647_49	205	2.14	0.26230	0.00760	0.03741	0.00051	0.16711	235.9	6.1	236.7	3.2	223	60	236.7	3.2	0.3	Single Age
IOS1647_50	303	1.91	0.25260	0.00610	0.03482	0.00039	0.00848	228.2	4.9	220.6	2.4	301	57	220.6	2.4	3.3	Single Age
IOS1647_51	175	1.33	0.27590	0.00890	0.03840	0.00054	0.39587	246.5	7.0	242.9	3.3	268	63	242.9	3.3	1.5	Single Age
IOS1647_52	162	1.74	0.30320	0.00910	0.03885	0.00057	0.08772	268.0	7.1	245.6	3.5	436	70	DISC	DISC	8.4	Single Age
IOS1647_53	103	1.86	0.27900	0.01300	0.03915	0.00088	0.28375	248.0	11.0	247.5	5.5	257	94	247.5	5.5	0.2	Single Age
IOS1647_54	180	1.68	0.26590	0.00880	0.03858	0.00074	0.22063	238.6	7.0	244.0	4.6	192	68	244.0	4.6	2.3	Single Age
IOS1647_55	200.9	8.93	0.51000	0.02100	0.06220	0.00140	0.49893	417.0	14.0	388.7	8.7	585	81	DISC	DISC	6.8	Single Age
IOS1647_56	199.9	1.56	0.26520	0.00730	0.03773	0.00065	0.25870	238.3	5.8	238.7	4.0	236	58	238.7	4.0	0.2	Single Age
IOS1647_58	153	1.35	0.26190	0.00910	0.03645	0.00050	0.21515	235.4	7.3	230.8	3.1	268	71	230.8	3.1	2.0	Single Age
IOS1647_59	255	2.20	0.27000	0.01400	0.03803	0.00065	0.28290	242.0	12.0	240.6	4.0	250	110	240.6	4.0	0.6	Single Age
IOS1647_60	176.7	2.43	0.26400	0.01200	0.03512	0.00066	0.30872	239.0	10.0	222.5	4.1	385	96	DISC	DISC	6.9	Single Age
IOS1647_61	330	1.87	0.28200	0.01500	0.03930	0.00110	0.29582	252.0	12.0	248.4	6.9	280	110	248.4	6.9	1.4	Single Age
IOS1647_62	7.13	0.43	13.62000	0.47000	0.13750	0.00420	0.42354	2705.0	33.0	829.0	24.0	4790	57	DISC	DISC	69.4	Single Age
IOS1647_63	138.9	2.10	0.28040	0.00910	0.03805	0.00066	0.18393	250.0	7.2	240.7	4.1	330	72	240.7	4.1	3.7	Single Age
IOS1647_64	83.5	1.57	0.26600	0.01200	0.03016	0.00070	0.07935	238.2	9.4	191.5	4.4	678	99	DISC	DISC	19.6	Single Age
IOS1647_65	199	2.06	0.25680	0.00840	0.03719	0.00062	0.40710	232.4	6.6	235.4	3.8	191	62	235.4	3.8	1.3	Single Age

Table A2, con't.

SAMPLE NAME: IOS1648																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1648_1	345	3.20	0.43000	0.05000	0.04970	0.00180	0.49834	358.0	32.0	313.0	11.0	700	200	DISC	DISC	12.6	Single Age
IOS1648_2	2600	8.00	0.35720	0.00620	0.04967	0.00074	0.68379	310.7	4.9	312.5	4.5	314	31	312.5	4.5	0.6	Single Age
IOS1648_3	1210	13.00	0.27200	0.01200	0.03470	0.00130	0.69310	244.0	9.6	219.7	7.9	476	63	DISC	DISC	10.0	Single Age
IOS1648_4	12210	0.19	0.16460	0.00350	0.00538	0.00015	0.69690	154.6	3.0	34.6	1.0	3016	29	DISC	DISC	77.6	Single Age
IOS1648_5	355	1.72	0.35840	0.00850	0.04846	0.00078	0.51535	310.4	6.4	305.0	4.8	357	45	305.0	4.8	1.7	Single Age
IOS1648_6	528	2.48	0.38000	0.01100	0.05160	0.00110	0.67087	326.3	8.2	324.5	6.5	339	49	324.5	6.5	0.6	Single Age
IOS1648_7	869	3.55	0.38260	0.00950	0.04870	0.00100	0.45515	329.0	7.1	306.5	6.3	490	52	DISC	DISC	6.8	Single Age
IOS1648_8	261.5	1.56	0.40100	0.01100	0.04922	0.00081	0.42408	341.3	8.0	309.6	5.0	559	52	DISC	DISC	9.3	Single Age
IOS1648_9	860	4.85	0.31480	0.00700	0.04319	0.00079	0.45314	278.3	5.6	272.5	4.9	329	46	272.5	4.9	2.1	Single Age
IOS1648_10	584	4.85	0.31340	0.00960	0.04300	0.00110	0.62128	276.0	7.4	271.4	7.1	318	52	271.4	7.1	1.7	Single Age
IOS1648_11	920	2.18	0.35980	0.00980	0.04877	0.00088	0.60752	311.1	7.3	306.9	5.4	351	45	306.9	5.4	1.4	Single Age
IOS1648_12	1740	17.30	0.06770	0.00330	0.00911	0.00049	0.73398	66.4	3.1	58.5	3.1	396	87	DISC	DISC	11.9	Rim
IOS1648_12	625	3.28	0.31500	0.01000	0.04472	0.00091	0.52402	277.6	7.9	282.0	5.6	247	59	282.0	5.6	1.6	Core
IOS1648_13	134.2	1.56	0.36500	0.02000	0.05070	0.00190	0.44773	314.0	14.0	318.0	12.0	292	94	318.0	12.0	1.3	Single Age
IOS1648_14	1310	3.26	0.36630	0.00770	0.05064	0.00090	0.72654	316.3	5.7	318.3	5.5	321	32	318.3	5.5	0.6	Single Age
IOS1648_15	56.6	1.85	0.38100	0.02100	0.04630	0.00150	0.25169	325.0	15.0	291.5	9.3	550	120	DISC	DISC	10.3	Single Age
IOS1648_16	1217	3.69	0.24710	0.00850	0.02744	0.00059	0.45866	223.3	6.9	174.5	3.7	760	62	DISC	DISC	21.9	Single Age
IOS1648_17	189.3	2.45	0.34400	0.01100	0.04706	0.00068	0.42068	299.0	8.1	296.4	4.2	322	62	296.4	4.2	0.9	Single Age
IOS1648_18	591	2.87	0.35100	0.01400	0.04810	0.00120	0.72298	304.0	10.0	302.8	7.6	312	58	302.8	7.6	0.4	Single Age
IOS1648_19	1250	7.39	0.25300	0.01200	0.03480	0.00140	0.62658	228.7	9.3	220.2	9.0	348	67	220.2	9.0	3.7	Rim
IOS1648_19	374.5	2.33	0.35290	0.00970	0.04860	0.00100	0.59880	306.3	7.3	305.8	6.4	318	49	305.8	6.4	0.2	Core
IOS1648_20	466	3.76	0.37740	0.00830	0.05243	0.00075	0.54643	325.6	6.3	329.4	4.6	307	42	329.4	4.6	1.2	Single Age

Table A2, con't.

IOS1648_21	930	2.77	0.37760	0.00760	0.05210	0.00099	0.46385	324.7	5.6	327.3	6.0	340	45	327.3	6.0	0.8	Single Age
IOS1648_22	314.9	1.76	0.36480	0.00900	0.05015	0.00099	0.50370	315.1	6.7	315.4	6.1	340	51	315.4	6.1	0.1	Single Age
IOS1648_23	2150	8.22	0.36400	0.00540	0.05066	0.00062	0.60622	314.9	4.0	318.5	3.8	299	28	318.5	3.8	1.1	Single Age
IOS1648_24	288	1.83	0.35600	0.01000	0.04840	0.00100	0.33326	308.2	7.7	304.3	6.3	341	53	304.3	6.3	1.3	Single Age
IOS1648_25	243.3	1.38	0.37100	0.01100	0.04970	0.00110	0.14501	319.8	8.0	312.6	6.9	380	57	312.6	6.9	2.3	Single Age
IOS1648_26	528	6.43	0.15500	0.02000	0.01730	0.00110	0.01955	146.0	17.0	110.8	6.7	740	210	DISC	DISC	24.1	Rim
IOS1648_26	145.8	1.72	0.36630	0.00990	0.04946	0.00078	0.00528	316.2	7.4	311.2	4.8	356	64	311.2	4.8	1.6	Core
IOS1648_27	961	12.51	0.29100	0.01300	0.03480	0.00160	0.68858	258.4	9.8	221.0	10.0	616	80	DISC	DISC	14.5	Single Age
IOS1648_28	300	1.84	0.39800	0.02000	0.04860	0.00130	0.07929	337.0	14.0	305.6	7.9	550	100	DISC	DISC	9.3	Single Age
IOS1648_29	493	3.30	0.39600	0.02100	0.05390	0.00260	0.60315	338.0	15.0	339.0	16.0	352	97	339.0	16.0	0.3	Rim
IOS1648_29	724	7.75	7.89000	0.25000	0.36270	0.00920	0.81943	2211.0	29.0	1992.0	43.0	2430	32	2430.0	32.0	18.0	Core
IOS1648_30	535	3.56	0.41400	0.01900	0.05330	0.00200	0.08045	350.0	14.0	335.0	12.0	439	70	335.0	12.0	4.3	Single Age
IOS1648_31	1496	10.80	0.37500	0.02000	0.04220	0.00200	0.77545	322.0	15.0	266.0	12.0	763	73	DISC	DISC	17.4	Single Age
IOS1648_32	720	3.87	0.27600	0.01100	0.03720	0.00130	0.70156	247.2	8.5	235.6	8.0	361	64	235.6	8.0	4.7	Single Age
IOS1648_33	345	1.96	0.40300	0.01400	0.05131	0.00086	0.25742	342.2	9.6	322.5	5.3	459	67	DISC	DISC	5.8	Single Age
IOS1648_34	920	3.23	0.36550	0.00910	0.04988	0.00092	0.52187	315.6	6.8	313.7	5.6	327	48	313.7	5.6	0.6	Single Age
IOS1648_35	1218	12.20	0.35180	0.00830	0.04744	0.00098	0.69810	305.5	6.2	298.7	6.0	365	39	298.7	6.0	2.2	Single Age
IOS1648_36	274	2.75	0.36450	0.00860	0.05027	0.00080	0.38865	314.9	6.4	316.1	4.9	294	49	316.1	4.9	0.4	Single Age
IOS1648_37	1215	3.35	0.33020	0.00760	0.04576	0.00093	0.66503	289.3	5.8	288.3	5.7	294	41	288.3	5.7	0.3	Single Age
IOS1648_38	1200	2.33	0.35740	0.00790	0.04910	0.00110	0.71131	309.7	5.9	308.8	6.6	326	37	308.8	6.6	0.3	Single Age
IOS1648_39	801	2.81	0.36970	0.00990	0.04920	0.00120	0.72751	318.7	7.3	309.5	7.4	387	40	309.5	7.4	2.9	Single Age
IOS1648_40	190	1.87	0.38100	0.01100	0.05072	0.00088	0.28964	327.0	8.2	318.9	5.4	386	60	318.9	5.4	2.5	Single Age
IOS1648_41	548	2.75	0.37800	0.01100	0.05100	0.00120	0.55058	325.0	8.0	320.7	7.4	352	55	320.7	7.4	1.3	Single Age
IOS1648_42	389	1.99	0.36000	0.01100	0.05040	0.00100	0.46055	311.9	7.8	317.1	6.1	255	57	317.1	6.1	1.7	Single Age
IOS1648_43	454	2.61	0.38010	0.00970	0.05190	0.00120	0.49561	326.2	7.1	326.1	7.5	325	51	326.1	7.5	0.0	Single Age
IOS1648_44	4640	19.40	0.32820	0.00680	0.04349	0.00088	0.79178	287.7	5.2	274.4	5.4	390	29	274.4	5.4	4.6	Single Age

Table A2, con't.

IOS1648_46	706	3.98	0.77700	0.02800	0.07210	0.00220	0.04717	583.0	16.0	449.0	13.0	1166	71	DISC	DISC	23.0	Single Age
IOS1648_47	936	2.94	0.37400	0.00870	0.05020	0.00110	0.68734	322.1	6.4	315.9	7.0	354	41	315.9	7.0	1.9	Single Age
IOS1648_48	662	6.35	0.31600	0.01900	0.04050	0.00240	0.57495	277.0	15.0	256.0	15.0	460	110	DISC	DISC	7.6	Rim
IOS1648_48	280	4.71	0.75900	0.03600	0.08570	0.00290	0.66415	571.0	21.0	530.0	17.0	693	82	DISC	DISC	7.2	Core
IOS1648_49	242	1.64	0.36070	0.00790	0.04757	0.00073	0.31440	312.1	5.9	299.5	4.5	395	51	299.5	4.5	4.0	Single Age
IOS1648_50	309	2.26	0.40200	0.01100	0.04910	0.00110	0.58260	341.9	8.0	309.0	6.7	538	57	DISC	DISC	9.6	Single Age

SAMPLE NAME: IOS1649

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1649_1	3250	2.25	0.28690	0.00900	0.03880	0.00110	0.62600	256.0	7.1	245.1	7.0	357	46	245.1	7.0	4.3	Rim
IOS1649_1	830	1.90	0.39700	0.01300	0.04998	0.00047	0.51619	337.9	9.2	314.4	2.9	472	59	DISC	DISC	7.0	Core
IOS1649_2	364	1.30	0.36620	0.00810	0.05031	0.00064	0.36444	316.4	6.0	316.4	3.9	301	49	316.4	3.9	0.0	Single Age
IOS1649_3	336	3.08	0.41310	0.00910	0.05472	0.00059	0.41158	350.5	6.5	343.4	3.6	379	44	343.4	3.6	2.0	Single Age
IOS1649_4	534	1.47	0.38830	0.00660	0.05144	0.00052	0.20277	332.7	4.9	323.3	3.2	384	40	323.3	3.2	2.8	Single Age
IOS1649_5	544	5.06	0.38020	0.00590	0.05115	0.00042	0.09919	326.9	4.4	321.6	2.6	353	37	321.6	2.6	1.6	Single Age
IOS1649_6	3481	7.46	0.34720	0.00320	0.04574	0.00041	0.16066	302.5	2.4	288.3	2.5	390	20	288.3	2.5	4.7	Single Age
IOS1649_7	299	3.02	0.36280	0.00810	0.04983	0.00051	0.40169	313.6	6.0	313.4	3.1	299	46	313.4	3.1	0.1	Single Age
IOS1649_8	680	4.31	0.37300	0.01300	0.05110	0.00110	0.26206	320.9	9.5	321.5	6.8	310	73	321.5	6.8	0.2	Single Age
IOS1649_10	269	1.91	0.38680	0.00820	0.05291	0.00052	0.14201	331.3	5.9	332.3	3.2	307	47	332.3	3.2	0.3	Single Age
IOS1649_11	533	2.07	0.36160	0.00680	0.04981	0.00065	0.24737	313.0	5.0	313.3	4.0	311	44	313.3	4.0	0.1	Single Age
IOS1649_12	425	1.97	0.37320	0.00700	0.05047	0.00050	0.30763	321.5	5.2	317.4	3.0	341	41	317.4	3.0	1.3	Single Age
IOS1649_13	1032	5.97	0.37420	0.00570	0.05054	0.00040	0.46674	322.5	4.2	317.8	2.5	341	30	317.8	2.5	1.5	Single Age
IOS1649_14	720	3.42	0.39380	0.00630	0.05242	0.00042	0.32234	336.7	4.6	329.4	2.6	378	34	329.4	2.6	2.2	Single Age
IOS1649_15	1307	5.66	0.37390	0.00700	0.05182	0.00069	0.64906	323.3	5.4	325.7	4.2	300	34	325.7	4.2	0.7	Single Age

Table A2, con't.

IOS1649_17	689	3.81	0.38480	0.00690	0.05023	0.00060	0.35280	330.3	5.0	315.9	3.7	422	39	315.9	3.7	4.4	Single Age
IOS1649_18	664	1.98	0.39430	0.00750	0.05214	0.00063	0.45960	337.7	5.4	327.6	3.9	396	39	327.6	3.9	3.0	Single Age
IOS1649_19	285	1.20	0.40500	0.01200	0.05155	0.00067	0.32547	344.8	8.8	324.0	4.1	455	61	DISC	DISC	6.0	Single Age
IOS1649_20	1350	5.27	0.40070	0.00670	0.05169	0.00055	0.32755	341.8	4.8	324.9	3.4	447	30	324.9	3.4	4.9	Single Age
IOS1649_21	515	3.14	0.37030	0.00790	0.05031	0.00076	0.32055	319.3	5.8	316.4	4.7	340	48	316.4	4.7	0.9	Single Age
IOS1649_22	1280	3.89	0.35970	0.00440	0.04898	0.00036	0.30216	311.8	3.3	308.3	2.2	326	27	308.3	2.2	1.1	Single Age
IOS1649_23	440	3.13	0.37620	0.00720	0.05159	0.00050	0.22053	323.7	5.3	324.2	3.1	302	42	324.2	3.1	0.2	Single Age
IOS1649_24	1650	4.32	0.33860	0.00740	0.04206	0.00079	0.29824	295.9	5.6	265.6	4.9	532	53	DISC	DISC	10.2	Single Age
IOS1649_25	420	2.32	0.37170	0.00670	0.05075	0.00051	0.25331	321.1	5.1	319.1	3.1	325	39	319.1	3.1	0.6	Single Age
IOS1649_26	863	5.06	0.36130	0.00530	0.04972	0.00044	0.45278	312.9	3.9	312.8	2.7	309	29	312.8	2.7	0.0	Single Age
IOS1649_27	375	3.86	0.39600	0.01200	0.05199	0.00067	0.20740	338.3	8.4	326.7	4.1	409	66	326.7	4.1	3.4	Single Age
IOS1649_28	368	1.54	0.36540	0.00820	0.05091	0.00064	0.15443	315.7	6.1	320.1	4.0	270	52	320.1	4.0	1.4	Single Age
IOS1649_29	1494	6.05	0.36670	0.00480	0.04952	0.00049	0.31524	317.0	3.6	311.6	3.0	348	31	311.6	3.0	1.7	Single Age
IOS1649_30	2650	2.14	0.40400	0.01500	0.05024	0.00058	0.14836	340.6	9.3	316.0	3.6	487	55	DISC	DISC	7.2	Single Age
IOS1649_31	297	1.29	0.38190	0.00890	0.04852	0.00035	0.18332	327.7	6.5	305.4	2.1	466	52	DISC	DISC	6.8	Single Age
IOS1649_32	234	2.55	0.38100	0.01400	0.05145	0.00087	0.03514	327.0	10.0	323.4	5.3	338	81	323.4	5.3	1.1	Rim
IOS1649_32	213	1.87	0.41200	0.01300	0.05645	0.00082	0.19752	349.3	9.1	354.0	5.0	319	71	354.0	5.0	1.3	Core
IOS1649_33	237	1.34	0.36900	0.01100	0.04981	0.00064	0.08991	318.5	8.0	313.3	3.9	317	62	313.3	3.9	1.6	Single Age
IOS1649_34	393	3.44	0.37970	0.00860	0.05185	0.00059	0.21948	326.1	6.3	325.8	3.6	308	48	325.8	3.6	0.1	Single Age
IOS1649_35	394	2.93	0.38420	0.00780	0.05187	0.00042	0.29217	329.5	5.7	326.0	2.6	333	42	326.0	2.6	1.1	Single Age
IOS1649_36	1902	6.33	0.37920	0.00480	0.05050	0.00044	0.34505	326.2	3.6	317.6	2.7	376	27	317.6	2.7	2.6	Single Age
IOS1649_37	195	1.55	0.37920	0.00930	0.05168	0.00065	0.11610	325.6	6.9	324.8	4.0	323	57	324.8	4.0	0.2	Single Age
IOS1649_38	1190	5.51	0.37520	0.00670	0.05099	0.00049	0.28945	323.2	4.9	320.6	3.0	329	39	320.6	3.0	0.8	Single Age
IOS1649_39	177	2.61	0.37200	0.01500	0.04870	0.00100	0.26093	320.0	11.0	306.2	6.2	399	89	306.2	6.2	4.3	Single Age
IOS1649_40	414	1.46	0.37450	0.00640	0.05085	0.00048	0.33563	322.6	4.7	319.7	3.0	336	35	319.7	3.0	0.9	Single Age

Table A2, con't.

IOS1649_41	778	3.89	0.37610	0.00620	0.04860	0.00046	0.54105	323.9	4.6	305.9	2.8	442	40	DISC	DISC	5.6	Single Age
IOS1649_42	342	1.78	0.38080	0.00720	0.04870	0.00043	0.20414	327.2	5.3	306.5	2.6	453	43	DISC	DISC	6.3	Single Age
IOS1649_43	462	1.84	0.37880	0.00730	0.05141	0.00067	0.48343	325.6	5.4	323.1	4.1	319	39	323.1	4.1	0.8	Single Age
IOS1649_44	614	2.87	0.35900	0.00670	0.04932	0.00066	0.53768	311.6	4.9	310.3	4.0	301	36	310.3	4.0	0.4	Single Age
IOS1649_45	358	1.51	0.34970	0.00850	0.05011	0.00064	0.42839	304.6	6.2	315.2	3.9	215	47	315.2	3.9	3.5	Single Age
IOS1649_46	545	7.35	0.38490	0.00600	0.05226	0.00059	0.26138	330.4	4.4	328.4	3.6	328	36	328.4	3.6	0.6	Single Age
IOS1649_47	328	2.47	0.36560	0.00920	0.04826	0.00062	0.07738	315.7	6.8	303.8	3.8	379	58	303.8	3.8	3.8	Single Age
IOS1649_48	3010	11.10	0.38220	0.00550	0.05184	0.00049	0.24849	328.4	4.0	325.8	3.0	333	31	325.8	3.0	0.8	Single Age
IOS1649_49	446	3.23	0.39650	0.00930	0.05388	0.00066	0.46385	338.6	6.8	338.3	4.0	319	48	338.3	4.0	0.1	Single Age
IOS1649_50	334.6	1.17	0.36620	0.00700	0.04954	0.00045	0.07120	316.3	5.2	311.7	2.8	335	45	311.7	2.8	1.5	Single Age

SAMPLE NAME: IOS1650

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1650_1	493	7.61	0.38170	0.00950	0.05138	0.00097	0.45013	327.7	7.0	322.9	6.0	342	49	322.9	6.0	1.5	Single Age
IOS1650_2	99.5	1.41	0.39400	0.01500	0.04936	0.00072	0.18529	335.0	11.0	310.5	4.4	488	81	DISC	DISC	7.3	Single Age
IOS1650_3	1990	8.20	0.37100	0.01300	0.05030	0.00180	0.70322	319.8	9.8	316.0	11.0	336	62	316.0	11.0	1.2	Single Age
IOS1650_4	2550	5.82	0.36520	0.00550	0.04948	0.00056	0.59627	315.8	4.1	311.3	3.4	341	28	311.3	3.4	1.4	Single Age
IOS1650_5	452	1.67	0.38190	0.00730	0.05159	0.00070	0.32705	327.9	5.3	324.2	4.3	344	42	324.2	4.3	1.1	Single Age
IOS1650_6	521	4.22	0.37030	0.00810	0.05104	0.00090	0.51751	319.3	6.0	320.8	5.5	296	43	320.8	5.5	0.5	Single Age
IOS1650_7	577	2.60	0.37050	0.00730	0.05068	0.00065	0.48625	320.3	5.2	318.7	4.0	318	40	318.7	4.0	0.5	Single Age
IOS1650_8	452	2.35	0.36400	0.01200	0.04960	0.00110	0.64416	314.9	8.8	311.8	6.8	333	65	311.8	6.8	1.0	Single Age
IOS1650_9	183.3	1.82	0.38000	0.01700	0.04840	0.00100	0.41742	326.0	12.0	304.6	6.4	452	83	DISC	DISC	6.6	Single Age
IOS1650_10	1542	4.79	0.37060	0.00600	0.05041	0.00081	0.63402	319.8	4.4	317.0	5.0	345	32	317.0	5.0	0.9	Single Age

Table A2, con't.

IOS1650_11	1155	5.00	0.39860	0.00700	0.05398	0.00081	0.62424	340.2	5.1	338.8	5.0	342	30	338.8	5.0	0.4	Single Age
IOS1650_12	990	3.08	0.38590	0.00790	0.05286	0.00078	0.58345	331.6	5.6	332.0	4.7	329	40	332.0	4.7	0.1	Single Age
IOS1650_13	306	2.77	0.37470	0.00870	0.05092	0.00083	0.39840	322.4	6.4	320.1	5.1	330	48	320.1	5.1	0.7	Single Age
IOS1650_14	452	2.65	0.36590	0.00770	0.05130	0.00110	0.43664	316.1	5.7	322.6	6.6	283	48	322.6	6.6	2.1	Single Age
IOS1650_15	1300	19.91	0.39400	0.01100	0.05360	0.00140	0.74903	336.2	8.2	336.4	8.7	330	42	336.4	8.7	0.1	Single Age
IOS1650_16	607	3.04	0.49400	0.01300	0.05013	0.00074	0.35211	406.4	8.8	315.3	4.5	945	51	DISC	DISC	22.4	Single Age
IOS1650_17	662	4.49	0.38500	0.00940	0.05064	0.00088	0.21284	330.0	6.9	318.4	5.4	396	45	318.4	5.4	3.5	Single Age
IOS1650_18	1590	5.64	0.36890	0.00820	0.05109	0.00094	0.71236	318.4	6.0	321.2	5.8	293	37	321.2	5.8	0.9	Single Age
IOS1650_20	2440	12.80	0.37660	0.00800	0.05070	0.00100	0.60298	324.0	5.8	318.9	6.1	362	44	318.9	6.1	1.6	Single Age
IOS1650_21	1420	8.53	0.37200	0.00780	0.05042	0.00086	0.64652	320.6	5.8	317.0	5.3	344	38	317.0	5.3	1.1	Single Age
IOS1650_22	2580	6.08	0.36630	0.00520	0.04923	0.00064	0.62415	316.6	3.9	309.7	3.9	357	26	309.7	3.9	2.2	Single Age
IOS1650_23	204.7	1.88	0.35900	0.01100	0.04843	0.00081	0.19249	311.4	8.6	304.8	5.0	352	70	304.8	5.0	2.1	Single Age
IOS1650_24	283	2.58	0.36610	0.00980	0.04741	0.00089	0.32630	315.8	7.2	298.5	5.4	424	50	DISC	DISC	5.5	Single Age
IOS1650_25	330	2.45	0.36780	0.00940	0.05094	0.00086	0.47091	317.2	7.0	320.2	5.3	291	51	320.2	5.3	0.9	Single Age
IOS1650_26	1030	4.98	0.36050	0.00730	0.05005	0.00071	0.55026	312.1	5.5	314.8	4.3	290	38	314.8	4.3	0.9	Single Age
IOS1650_27	300	2.16	0.39200	0.01100	0.05195	0.00086	0.47343	334.8	7.7	326.4	5.2	383	54	326.4	5.2	2.5	Single Age
IOS1650_28	2646	4.17	0.37940	0.00450	0.05126	0.00048	0.35166	326.4	3.3	322.2	3.0	346	21	322.2	3.0	1.3	Single Age
IOS1650_29	2080	8.26	0.37720	0.00960	0.05060	0.00100	0.71565	324.0	7.1	318.0	6.2	348	39	318.0	6.2	1.9	Single Age
IOS1650_30	237.9	1.54	0.37270	0.00970	0.04734	0.00063	0.36711	320.8	7.2	298.1	3.9	463	53	DISC	DISC	7.1	Single Age
IOS1650_31	1900	8.17	0.38300	0.01500	0.05170	0.00130	0.02000	327.2	9.8	324.9	7.7	306	63	324.9	7.7	0.7	Single Age
IOS1650_33	2710	8.11	0.38530	0.00710	0.05010	0.00100	0.75158	330.5	5.2	315.3	6.1	430	32	315.3	6.1	4.6	Single Age
IOS1650_34	312	2.83	0.36610	0.00910	0.05072	0.00066	0.27232	316.0	6.7	318.9	4.1	270	51	318.9	4.1	0.9	Single Age
IOS1650_35	644	2.99	0.35980	0.00690	0.04958	0.00070	0.41519	312.3	5.3	311.9	4.3	300	42	311.9	4.3	0.1	Single Age
IOS1650_36	1590	3.91	0.36020	0.00580	0.04905	0.00055	0.51581	312.0	4.3	308.6	3.4	332	34	308.6	3.4	1.1	Single Age
IOS1650_37	716	3.34	0.39060	0.00830	0.05270	0.00086	0.50351	334.1	6.1	331.0	5.2	351	43	331.0	5.2	0.9	Single Age

Table A2, con't.

IOS1650_38	1480	3.26	0.37310	0.00650	0.05084	0.00069	0.62055	321.6	4.8	319.6	4.2	331	31	319.6	4.2	0.6	Single Age
IOS1650_39	2543	6.54	0.39400	0.01600	0.05060	0.00190	0.77967	337.0	12.0	318.0	12.0	463	57	DISC	DISC	5.6	Single Age
IOS1650_40	334	1.30	0.37640	0.00800	0.05043	0.00057	0.35987	323.9	5.8	317.1	3.5	358	42	317.1	3.5	2.1	Single Age
IOS1650_41	307	2.49	0.38220	0.00880	0.05095	0.00072	0.18425	328.2	6.5	320.3	4.4	363	57	320.3	4.4	2.4	Single Age
IOS1650_42	661	3.10	0.40740	0.00840	0.04853	0.00064	0.55843	347.1	6.1	305.5	3.9	620	37	DISC	DISC	12.0	Single Age
IOS1650_43	2590	6.56	0.37300	0.00530	0.04983	0.00050	0.57753	321.6	3.9	313.5	3.1	378	26	313.5	3.1	2.5	Single Age
IOS1650_44	344	2.32	0.36370	0.00750	0.04971	0.00058	0.22698	314.4	5.6	312.7	3.5	318	47	312.7	3.5	0.5	Single Age
IOS1650_45	242	2.09	0.37730	0.00920	0.04991	0.00067	0.24881	324.2	6.8	313.9	4.1	382	52	313.9	4.1	3.2	Single Age
IOS1650_46	3170	5.49	0.37020	0.00610	0.04911	0.00065	0.63533	319.4	4.5	309.0	4.0	381	29	309.0	4.0	3.3	Single Age
IOS1650_47	471	1.60	0.36130	0.00740	0.04974	0.00079	0.53725	312.7	5.5	312.9	4.9	299	39	312.9	4.9	0.1	Single Age
IOS1650_48	752	1.93	0.39220	0.00800	0.04990	0.00087	0.55184	335.4	5.8	313.8	5.3	478	35	DISC	DISC	6.4	Single Age
IOS1650_49	1890	3.17	0.38110	0.00490	0.05014	0.00047	0.73369	327.6	3.6	315.4	2.9	403	24	315.4	2.9	3.7	Single Age
IOS1650_50	2460	4.52	0.36540	0.00390	0.04940	0.00044	0.30823	316.1	2.9	310.8	2.7	342	25	310.8	2.7	1.7	Single Age

SAMPLE NAME: IOS1651																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1651_1	166	1.50	0.38000	0.01200	0.05020	0.00072	0.22816	325.7	9.0	315.7	4.4	374	67	315.7	4.4	3.1	Single Age
IOS1651_2	446	1.59	0.37010	0.00780	0.05141	0.00060	0.26059	319.2	5.8	323.2	3.7	281	47	323.2	3.7	1.3	Single Age
IOS1651_3	134.5	1.39	0.36800	0.01600	0.05041	0.00080	0.17039	317.0	12.0	317.0	4.9	287	92	317.0	4.9	0.0	Single Age
IOS1651_4	3340	30.10	0.36940	0.00970	0.05100	0.00120	0.74089	318.9	7.2	320.4	7.4	303	39	320.4	7.4	0.5	Single Age
IOS1651_5	560	2.38	0.38300	0.01100	0.05026	0.00062	0.18105	328.6	7.7	316.1	3.8	395	61	316.1	3.8	3.8	Single Age
IOS1651_6	353	1.44	0.35290	0.00740	0.04920	0.00060	0.19746	306.4	5.6	309.6	3.7	268	46	309.6	3.7	1.0	Single Age
IOS1651_7	281.5	2.19	0.36300	0.00980	0.05110	0.00110	0.36032	313.8	7.2	321.3	6.6	255	60	321.3	6.6	2.4	Rim
IOS1651_7	648	5.35	0.43800	0.01700	0.05790	0.00130	0.39554	368.0	12.0	363.0	8.2	391	77	363.0	8.2	1.4	Core

Table A2, con't.

IOS1651_8	381.9	2.29	0.38100	0.00830	0.05242	0.00073	0.48157	327.3	6.1	329.3	4.5	304	44	329.3	4.5	0.6	Single Age
IOS1651_9	738	3.07	0.37840	0.00690	0.05208	0.00062	0.60784	325.5	5.1	327.2	3.8	299	32	327.2	3.8	0.5	Single Age
IOS1651_10	362	1.29	0.36600	0.00760	0.05001	0.00049	0.36002	316.1	5.7	314.6	3.0	309	43	314.6	3.0	0.5	Single Age
IOS1651_11	440	2.51	0.37470	0.00960	0.05070	0.00100	0.33427	322.6	7.1	319.0	6.1	341	57	319.0	6.1	1.1	Single Age
IOS1651_12	293	2.82	0.37700	0.01300	0.05150	0.00082	0.15527	323.5	9.7	323.6	5.0	307	72	323.6	5.0	0.0	Single Age
IOS1651_13	284	1.90	0.36750	0.00820	0.05036	0.00077	0.19446	317.1	6.1	316.7	4.7	314	53	316.7	4.7	0.1	Single Age
IOS1651_14	332	1.52	0.37040	0.00810	0.05037	0.00055	0.16062	319.4	6.0	316.8	3.4	319	50	316.8	3.4	0.8	Single Age
IOS1651_15	164.5	3.59	0.53200	0.01800	0.06330	0.00100	0.28106	431.0	12.0	395.4	6.3	608	69	DISC	DISC	8.3	Single Age
IOS1651_16	538	1.61	0.37170	0.00620	0.05188	0.00061	0.20975	321.2	4.5	326.0	3.7	274	39	326.0	3.7	1.5	Single Age
IOS1651_17	277	1.77	0.37300	0.00900	0.05084	0.00053	0.13791	322.2	6.8	319.7	3.2	325	54	319.7	3.2	0.8	Single Age
IOS1651_18	489	2.28	0.36790	0.00730	0.04910	0.00039	0.30198	317.7	5.4	309.0	2.4	366	43	309.0	2.4	2.7	Single Age
IOS1651_19	319	1.61	0.36700	0.01200	0.05114	0.00075	0.16376	316.5	9.1	321.5	4.6	273	74	321.5	4.6	1.6	Single Age
IOS1651_20	1100	5.08	0.37230	0.00490	0.05220	0.00040	0.20570	321.6	3.5	328.0	2.5	260	31	328.0	2.5	2.0	Single Age
IOS1651_21	232	1.45	0.38200	0.01100	0.04999	0.00070	0.25660	327.3	8.0	314.4	4.3	397	61	314.4	4.3	3.9	Single Age
IOS1651_22	348.9	1.28	0.36760	0.00700	0.04941	0.00051	0.30824	317.4	5.2	310.9	3.1	346	42	310.9	3.1	2.0	Single Age
IOS1651_23	585	2.16	0.37990	0.00660	0.05252	0.00057	0.29030	326.5	4.8	329.9	3.5	299	37	329.9	3.5	1.0	Single Age
IOS1651_24	147.5	2.02	0.37900	0.01300	0.05114	0.00070	0.15370	325.1	9.4	321.5	4.3	326	74	321.5	4.3	1.1	Rim
IOS1651_24	302	3.20	0.48000	0.02000	0.06510	0.00120	0.01329	397.0	14.0	406.5	7.1	319	99	406.5	7.1	2.4	Core
IOS1651_25	382	2.89	0.38100	0.01200	0.05191	0.00060	0.15629	327.0	8.6	326.2	3.6	315	68	326.2	3.6	0.2	Single Age
IOS1651_26	278	1.42	0.37300	0.01100	0.05240	0.00100	0.38505	321.5	8.3	329.4	6.1	261	61	329.4	6.1	2.5	Single Age
IOS1651_27	301	1.37	0.37300	0.01600	0.04720	0.00120	0.60099	320.0	11.0	297.4	7.3	454	72	DISC	DISC	7.1	Single Age
IOS1651_28	459	1.31	0.37200	0.00580	0.05106	0.00041	0.24075	320.8	4.3	321.0	2.5	301	36	321.0	2.5	0.1	Single Age
IOS1651_29	629	4.41	0.38080	0.00580	0.05170	0.00042	0.28447	327.3	4.2	324.9	2.6	331	33	324.9	2.6	0.7	Single Age
IOS1651_30	227	2.60	0.32600	0.01800	0.04270	0.00096	0.34874	286.0	14.0	269.5	6.0	380	110	DISC	DISC	5.8	Rim
IOS1651_30	1495	11.60	0.37600	0.01100	0.05039	0.00096	0.41066	323.9	7.8	316.9	5.9	371	60	316.9	5.9	2.2	Rim
IOS1651_30	585	4.09	0.43700	0.01400	0.05540	0.00079	0.44985	367.6	9.8	347.6	4.8	482	61	DISC	DISC	5.4	Core

Table A2, con't.

IOS1651_31	376	1.71	0.39280	0.00810	0.05475	0.00059	0.04100	335.8	5.9	343.6	3.6	268	49	343.6	3.6	2.3	Single Age
IOS1651_32	212	1.53	0.47300	0.01400	0.05826	0.00085	0.21041	392.1	9.8	365.0	5.2	530	66	DISC	DISC	6.9	Single Age
IOS1651_33	306	1.62	0.35890	0.00740	0.05068	0.00067	0.35251	310.8	5.5	318.6	4.1	250	45	318.6	4.1	2.5	Single Age
IOS1651_34	754	4.53	0.41000	0.01100	0.05389	0.00087	0.27745	348.4	7.5	338.3	5.3	408	58	338.3	5.3	2.9	Single Age
IOS1651_35	378	1.52	0.36600	0.01300	0.05094	0.00086	0.19840	315.5	9.8	320.2	5.3	278	77	320.2	5.3	1.5	Single Age
IOS1651_36	301	1.59	0.37990	0.00910	0.05113	0.00053	0.10105	326.2	6.6	321.4	3.3	345	54	321.4	3.3	1.5	Single Age
IOS1651_37	60.7	1.89	0.36400	0.01800	0.05150	0.00110	0.23548	313.0	14.0	323.7	6.8	218	97	323.7	6.8	3.4	Single Age
IOS1651_38	482	2.74	0.35880	0.00840	0.04935	0.00082	0.23753	310.6	6.3	310.5	5.0	306	54	310.5	5.0	0.0	Single Age
IOS1651_39	1185	2.68	0.36270	0.00500	0.05041	0.00053	0.46198	313.9	3.7	317.0	3.3	285	30	317.0	3.3	1.0	Single Age
IOS1651_40	215	2.32	0.37170	0.00890	0.04975	0.00059	0.06545	320.1	6.6	312.9	3.7	362	56	312.9	3.7	2.2	Single Age
IOS1651_41	459	1.48	0.37430	0.00650	0.04983	0.00050	0.27011	322.4	4.8	313.4	3.1	373	38	313.4	3.1	2.8	Single Age
IOS1651_42	510	13.50	0.37030	0.00690	0.05167	0.00063	0.15321	319.5	5.1	324.7	3.9	284	46	324.7	3.9	1.6	Single Age
IOS1651_43	371	2.30	0.37400	0.00800	0.05129	0.00070	0.40997	322.7	6.0	322.4	4.3	318	43	322.4	4.3	0.1	Single Age
IOS1651_44	218.3	1.26	0.34740	0.00880	0.04932	0.00068	0.27372	302.0	6.6	310.3	4.2	227	53	310.3	4.2	2.7	Single Age
IOS1651_45	197	2.80	0.37550	0.00950	0.05074	0.00073	0.40819	322.8	7.0	319.0	4.5	341	53	319.0	4.5	1.2	Single Age
IOS1651_46	607	3.19	0.37800	0.01100	0.05260	0.00120	0.42280	325.3	7.8	330.3	7.4	306	64	330.3	7.4	1.5	Rim
IOS1651_46	348	1.95	0.43000	0.01400	0.05834	0.00090	0.32650	362.0	10.0	365.5	5.5	329	69	365.5	5.5	1.0	Core
IOS1651_47	1014	3.54	0.37680	0.00610	0.05001	0.00046	0.34224	324.3	4.5	314.6	2.8	384	35	314.6	2.8	3.0	Single Age
IOS1651_48	419	2.88	0.48000	0.02800	0.05630	0.00100	0.41193	396.0	19.0	353.0	6.4	670	120	DISC	DISC	10.9	Single Age
IOS1651_49	873	4.83	0.36230	0.00590	0.05050	0.00045	0.22271	313.5	4.4	317.6	2.8	275	37	317.6	2.8	1.3	Single Age
IOS1651_50	280	1.41	0.36250	0.00900	0.05188	0.00064	0.29676	313.4	6.7	326.0	3.9	224	52	326.0	3.9	4.0	Single Age

Table A2, con't.

SAMPLE NAME: IOS1652																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1652_1	231	2.58	0.37380	0.00930	0.05057	0.00054	0.17918	321.6	6.9	318.0	3.3	335	55	318.0	3.3	1.1	Single Age
IOS1652_2	168	1.65	0.37300	0.01200	0.05048	0.00066	0.23715	320.5	8.6	317.4	4.1	325	67	317.4	4.1	1.0	Single Age
IOS1652_3	93.6	1.46	0.35800	0.01400	0.04891	0.00093	0.06997	309.0	10.0	307.7	5.7	305	85	307.7	5.7	0.4	Single Age
IOS1652_4	372	3.09	0.34410	0.00900	0.04442	0.00083	0.34901	299.4	6.7	280.1	5.2	446	57	DISC	DISC	6.4	Single Age
IOS1652_5	651	0.38	0.36320	0.00820	0.04846	0.00077	0.37132	314.2	6.1	305.0	4.7	367	51	305.0	4.7	2.9	Single Age
IOS1652_6	222	1.40	0.35790	0.00960	0.05121	0.00055	0.18922	310.6	7.3	321.9	3.4	213	55	321.9	3.4	3.6	Single Age
IOS1652_7	603	3.42	0.35960	0.00660	0.04797	0.00046	0.35226	312.1	5.1	302.0	2.8	368	42	302.0	2.8	3.2	Single Age
IOS1652_8	225	1.85	0.37700	0.01200	0.04306	0.00073	0.08873	323.8	8.9	271.7	4.5	714	81	DISC	DISC	16.1	Single Age
IOS1652_9	216.2	1.95	0.39060	0.00850	0.05333	0.00060	0.08045	334.1	6.2	334.9	3.7	322	49	334.9	3.7	0.2	Single Age
IOS1652_10	197	1.55	0.37300	0.01100	0.05152	0.00060	0.13753	322.4	8.1	323.8	3.7	299	62	323.8	3.7	0.4	Single Age
IOS1652_11	192	3.36	0.38400	0.01600	0.05150	0.00130	0.37763	328.0	11.0	323.9	8.2	348	80	323.9	8.2	1.3	Single Age
IOS1652_12	610	2.46	0.37130	0.00680	0.05162	0.00056	0.39959	320.2	5.0	324.4	3.4	288	39	324.4	3.4	1.3	Single Age
IOS1652_13	207	1.88	0.38200	0.01200	0.05310	0.00110	0.36652	327.5	9.1	333.3	6.6	289	62	333.3	6.6	1.8	Single Age
IOS1652_14	3010	8.80	0.36190	0.00740	0.04910	0.00110	0.73106	313.4	5.5	308.7	6.8	350	35	308.7	6.8	1.5	Single Age
IOS1652_15	494	1.70	0.37300	0.00620	0.05107	0.00050	0.20697	321.5	4.5	321.0	3.1	306	39	321.0	3.1	0.2	Single Age
IOS1652_16	605	2.85	0.37700	0.00890	0.05372	0.00082	0.25988	324.4	6.5	337.3	5.0	225	53	337.3	5.0	4.0	Single Age
IOS1652_17	1590	8.90	0.37470	0.00760	0.05143	0.00078	0.33172	323.4	5.8	323.3	4.8	318	47	323.3	4.8	0.0	Single Age
IOS1652_18	643	1.04	0.36990	0.00570	0.04934	0.00042	0.29556	319.3	4.2	310.4	2.6	371	34	310.4	2.6	2.8	Single Age
IOS1652_19	130.4	2.11	0.33400	0.01300	0.04760	0.00130	0.40116	291.0	10.0	299.7	7.9	247	73	299.7	7.9	3.0	Single Age
IOS1652_20	311.2	1.37	0.38400	0.01200	0.04850	0.00047	0.21601	328.7	8.6	305.3	2.9	470	61	DISC	DISC	7.1	Single Age
IOS1652_21	342	2.92	0.35710	0.00750	0.04773	0.00083	0.27820	309.5	5.6	300.5	5.1	365	52	300.5	5.1	2.9	Single Age

Table A2, con't.

IOS1652_22	356	2.62	0.38000	0.01500	0.04880	0.00120	0.46339	326.0	11.0	306.8	7.5	470	85	DISC	DISC	5.9	Single Age
IOS1652_23	196.1	2.93	0.39000	0.01100	0.05102	0.00087	0.31946	333.8	8.2	320.7	5.3	407	62	320.7	5.3	3.9	Single Age
IOS1652_24	664	6.00	0.38410	0.00810	0.05086	0.00060	0.46395	329.4	5.9	319.7	3.7	388	43	319.7	3.7	2.9	Single Age
IOS1652_25	744	3.57	0.36710	0.00670	0.05087	0.00063	0.13440	317.3	5.0	319.8	3.9	296	45	319.8	3.9	0.8	Single Age
IOS1652_26	491	1.50	0.36570	0.00650	0.04979	0.00048	0.31093	316.1	4.9	313.2	3.0	328	39	313.2	3.0	0.9	Single Age
IOS1652_27	225	1.50	0.36300	0.01000	0.05043	0.00054	0.12602	313.7	7.6	317.1	3.3	290	62	317.1	3.3	1.1	Single Age
IOS1652_28	388	1.60	0.37880	0.00800	0.05057	0.00056	0.30600	325.7	5.9	318.0	3.4	366	46	318.0	3.4	2.4	Single Age
IOS1652_29	238.7	1.96	0.37880	0.00790	0.05072	0.00059	0.20941	325.6	5.8	318.9	3.6	356	48	318.9	3.6	2.1	Single Age
IOS1652_30	4900	8.73	0.12110	0.00730	0.01570	0.00100	0.84166	116.0	6.6	100.4	6.5	451	74	DISC	DISC	13.4	Rim
IOS1652_30	569	2.15	0.37260	0.00760	0.04917	0.00049	0.13017	321.2	5.6	309.4	3.0	395	48	309.4	3.0	3.7	Core
IOS1652_31	496	5.46	0.35970	0.00830	0.05120	0.00110	0.46105	311.5	6.2	321.8	6.6	256	53	321.8	6.6	3.3	Single Age
IOS1652_32	81.6	1.64	0.38300	0.01500	0.04996	0.00074	0.12505	328.0	11.0	314.2	4.5	396	84	314.2	4.5	4.2	Single Age
IOS1652_33	312	2.20	0.38910	0.00960	0.05094	0.00061	0.34190	333.7	7.1	320.2	3.7	412	52	320.2	3.7	4.0	Single Age
IOS1652_34	285	1.99	0.38900	0.01000	0.05154	0.00059	0.17847	332.9	7.3	323.9	3.6	377	56	323.9	3.6	2.7	Single Age
IOS1652_35	256.2	1.92	0.38070	0.00810	0.05086	0.00045	0.01958	326.9	6.0	319.8	2.8	355	50	319.8	2.8	2.2	Single Age
IOS1652_36	734	2.59	0.35490	0.00630	0.04864	0.00059	0.38375	308.0	4.8	306.1	3.6	301	38	306.1	3.6	0.6	Single Age
IOS1652_37	71.8	1.50	0.35600	0.01600	0.04980	0.00130	0.25060	307.0	12.0	313.0	7.8	250	91	313.0	7.8	2.0	Single Age
IOS1652_38	325	4.20	0.36800	0.01600	0.05010	0.00190	0.67338	316.0	12.0	315.0	12.0	309	70	315.0	12.0	0.3	Single Age
IOS1652_39	639	2.50	0.37700	0.01500	0.05060	0.00130	0.60282	322.0	11.0	318.1	7.9	334	69	318.1	7.9	1.2	Single Age
IOS1652_40	133.4	2.21	0.38100	0.01300	0.05220	0.00110	0.41959	326.5	9.2	327.8	6.9	300	65	327.8	6.9	0.4	Single Age
IOS1652_41	182.9	1.98	0.36700	0.01100	0.04947	0.00072	0.28161	316.0	7.9	311.2	4.4	334	59	311.2	4.4	1.5	Single Age
IOS1652_42	275	1.69	0.38810	0.00970	0.05310	0.00055	0.00344	333.0	7.0	333.5	3.4	304	56	333.5	3.4	0.2	Single Age
IOS1652_43	714	2.25	0.36600	0.00590	0.05092	0.00048	0.29061	316.3	4.4	320.2	3.0	285	37	320.2	3.0	1.2	Single Age
IOS1652_44	398	1.50	0.37900	0.00660	0.05112	0.00051	0.22294	326.5	4.7	321.4	3.1	344	41	321.4	3.1	1.6	Single Age
IOS1652_45	318	2.71	0.40700	0.01300	0.05270	0.00100	0.19833	346.1	9.5	331.2	6.4	439	74	331.2	6.4	4.3	Rim
IOS1652_45	425.4	15.80	0.70000	0.01700	0.08310	0.00130	0.32216	538.0	10.0	514.8	7.5	621	54	514.8	7.5	4.3	Core

Table A2, con't.

IOS1652_46	365	2.18	0.39100	0.01000	0.05002	0.00050	0.29605	334.3	7.2	314.6	3.1	452	53	DISC	DISC	5.9	Single Age
IOS1652_47	226.7	1.80	0.36890	0.00850	0.05026	0.00056	0.16763	318.9	6.1	316.1	3.4	309	49	316.1	3.4	0.9	Single Age
IOS1652_48	352	1.63	0.34030	0.00830	0.05047	0.00092	0.32372	296.6	6.3	317.3	5.6	143	49	DISC	DISC	7.0	Single Age
IOS1652_49	3860	8.49	0.34130	0.00360	0.04628	0.00040	0.64375	298.0	2.7	291.6	2.5	319	19	291.6	2.5	2.1	Single Age
IOS1652_50	405	3.77	0.38450	0.00680	0.05298	0.00055	0.26984	329.9	5.0	332.8	3.4	296	39	332.8	3.4	0.9	Single Age

SAMPLE NAME: IOS1654

GRAIN #	**[U] ppm**	**U/Th**	**207 /235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1654_1	379	1.73	0.35820	0.00680	0.04939	0.00051	0.24205	310.4	5.1	310.7	3.1	308	42	310.7	3.1	0.1	Single Age
IOS1654_2	271	2.04	0.40350	0.00920	0.05505	0.00065	0.15546	343.4	6.7	345.4	4.0	324	47	345.4	4.0	0.6	Single Age
IOS1654_3	385	3.21	0.37260	0.00890	0.05061	0.00055	0.05376	320.8	6.6	318.3	3.4	339	53	318.3	3.4	0.8	Single Age
IOS1654_4	820	3.67	0.37490	0.00570	0.05049	0.00044	0.37440	322.9	4.2	317.5	2.7	367	30	317.5	2.7	1.7	Single Age
IOS1654_5	752	6.86	0.37580	0.00690	0.05142	0.00078	0.47378	323.5	5.0	323.8	4.9	329	38	323.8	4.9	0.1	Single Age
IOS1654_6	1700	7.98	0.38810	0.00700	0.05121	0.00085	0.57206	333.3	5.0	321.9	5.2	416	36	321.9	5.2	3.4	Single Age
IOS1654_7	806	5.50	0.37380	0.00630	0.05236	0.00054	0.35705	322.1	4.7	328.9	3.3	285	37	328.9	3.3	2.1	Single Age
IOS1654_8	254	6.55	0.40100	0.01100	0.05700	0.00120	0.45860	342.2	8.1	357.0	7.5	264	58	357.0	7.5	4.3	Single Age
IOS1654_9	850	4.86	0.41200	0.01200	0.05530	0.00140	0.42327	348.9	8.4	346.8	8.6	376	55	346.8	8.6	0.6	Single Age
IOS1654_10	106.3	2.63	0.38200	0.01400	0.05149	0.00077	0.20329	327.0	10.0	323.6	4.7	372	82	323.6	4.7	1.0	Single Age
IOS1654_11	195	2.19	0.39100	0.01300	0.05299	0.00088	0.17369	333.6	9.7	332.8	5.4	339	73	332.8	5.4	0.2	Single Age
IOS1654_12	286	2.22	0.38000	0.00900	0.05264	0.00074	0.17401	326.2	6.6	330.6	4.5	298	49	330.6	4.5	1.3	Single Age
IOS1654_13	315	1.39	0.37600	0.01000	0.05125	0.00058	0.21495	323.2	7.1	322.1	3.6	331	51	322.1	3.6	0.3	Single Age
IOS1654_14	548	2.67	0.38380	0.00910	0.05370	0.00096	0.38057	330.0	6.9	337.1	5.9	297	52	337.1	5.9	2.2	Single Age
IOS1654_15	280	4.00	0.41000	0.01300	0.05590	0.00110	0.48122	347.5	9.7	350.7	6.9	331	62	350.7	6.9	0.9	Single Age

Table A2, con't.

IOS1654_16	248	1.64	0.37220	0.00810	0.05135	0.00065	0.13906	320.6	6.0	322.7	4.0	310	51	322.7	4.0	0.7	Single Age
IOS1654_17	489	2.85	0.37000	0.01400	0.04980	0.00160	0.38488	318.0	10.0	313.0	10.0	334	70	313.0	10.0	1.6	Single Age
IOS1654_18	289	4.65	0.38230	0.00850	0.05288	0.00065	0.25476	328.0	6.2	332.1	4.0	297	49	332.1	4.0	1.3	Single Age
IOS1654_19	263	2.09	0.39900	0.01100	0.05421	0.00092	0.29783	339.8	8.0	340.3	5.6	338	60	340.3	5.6	0.1	Single Age
IOS1654_20	429	2.65	0.40520	0.00950	0.05523	0.00084	0.48897	344.5	6.8	346.5	5.1	332	42	346.5	5.1	0.6	Single Age
IOS1654_21	280	5.05	0.38870	0.00920	0.05320	0.00084	0.36582	332.6	6.7	334.0	5.2	311	50	334.0	5.2	0.4	Single Age
IOS1654_22	430	3.31	0.38700	0.00610	0.05438	0.00048	0.26090	331.8	4.5	341.4	2.9	271	36	341.4	2.9	2.9	Single Age
IOS1654_23	274	2.47	0.38630	0.00860	0.05213	0.00064	0.32870	331.0	6.3	327.6	3.9	350	47	327.6	3.9	1.0	Single Age
IOS1654_24	403	2.54	0.38950	0.00740	0.05338	0.00052	0.18444	333.5	5.4	335.2	3.2	319	43	335.2	3.2	0.5	Single Age
IOS1654_25	406	2.04	0.38230	0.00930	0.05303	0.00081	0.47916	327.9	6.8	333.0	5.0	299	49	333.0	5.0	1.6	Single Age
IOS1654_26	410	3.71	0.38230	0.00900	0.05318	0.00061	0.18437	328.8	6.7	334.0	3.7	295	53	334.0	3.7	1.6	Single Age
IOS1654_27	249	1.64	0.37260	0.00940	0.05184	0.00061	0.28346	320.8	7.0	326.2	3.9	277	53	326.2	3.9	1.7	Single Age
IOS1654_28	184	1.60	0.38200	0.01000	0.05171	0.00078	0.27604	327.3	7.3	324.9	4.8	342	58	324.9	4.8	0.7	Single Age
IOS1654_29	692	2.67	0.37490	0.00670	0.05059	0.00064	0.32972	322.8	5.0	318.1	3.9	345	40	318.1	3.9	1.5	Single Age
IOS1654_30	381	3.29	0.40340	0.00860	0.05587	0.00084	0.17083	343.6	6.2	350.4	5.1	297	49	350.4	5.1	2.0	Single Age
IOS1654_31	216.8	1.49	0.37390	0.00990	0.05143	0.00070	0.17850	321.5	7.3	323.2	4.3	300	59	323.2	4.3	0.5	Single Age
IOS1654_32	283	2.82	0.37720	0.00900	0.05346	0.00080	0.23128	324.3	6.7	335.7	4.9	236	50	335.7	4.9	3.5	Single Age
IOS1654_33	413	1.57	0.37700	0.01000	0.05117	0.00075	0.32297	324.5	7.6	321.7	4.6	333	58	321.7	4.6	0.9	Single Age
IOS1654_34	272	4.18	0.40400	0.01100	0.05520	0.00140	0.46730	343.2	8.0	346.3	8.3	311	59	346.3	8.3	0.9	Single Age
IOS1654_35	476	2.39	0.39470	0.00760	0.05476	0.00097	0.41684	337.3	5.5	343.6	6.0	293	42	343.6	6.0	1.9	Single Age
IOS1654_36	239	2.30	0.38060	0.00990	0.05161	0.00063	0.17415	326.6	7.2	324.4	3.9	328	56	324.4	3.9	0.7	Single Age
IOS1654_37	649	2.71	0.38800	0.00800	0.05330	0.00059	0.46441	332.4	5.8	334.7	3.6	302	41	334.7	3.6	0.7	Single Age
IOS1654_38	182.4	1.90	0.38780	0.00940	0.05348	0.00066	0.23718	331.9	6.9	335.8	4.0	282	53	335.8	4.0	1.2	Single Age
IOS1654_39	684	4.26	0.38170	0.00640	0.05250	0.00062	0.45177	327.9	4.7	329.8	3.8	299	37	329.8	3.8	0.6	Single Age
IOS1654_40	127	1.14	0.38100	0.01200	0.05153	0.00078	0.13329	326.1	8.5	323.8	4.8	324	65	323.8	4.8	0.7	Single Age

Table A2, con't.

IOS1654_41	440	3.05	0.39800	0.00970	0.05312	0.00074	0.27655	337.8	6.2	333.6	4.5	360	49	333.6	4.5	1.2	Single Age
IOS1654_42	240	1.85	0.37800	0.01000	0.05119	0.00061	0.11109	324.4	7.5	321.8	3.7	322	58	321.8	3.7	0.8	Single Age
IOS1654_43	336	3.22	0.38650	0.00910	0.05269	0.00075	0.29902	331.0	6.7	331.0	4.6	305	48	331.0	4.6	0.0	Single Age
IOS1654_44	1027	2.46	0.38920	0.00660	0.05221	0.00065	0.31757	334.4	5.1	328.1	4.0	371	42	328.1	4.0	1.9	Single Age
IOS1654_45	345	2.61	0.39200	0.01300	0.05360	0.00140	0.03692	335.2	9.8	336.4	8.6	308	75	336.4	8.6	0.4	Single Age
IOS1654_46	1344	2.95	0.39010	0.00600	0.05290	0.00059	0.36261	334.2	4.4	332.3	3.6	343	30	332.3	3.6	0.6	Single Age
IOS1654_47	575	3.89	0.38350	0.00590	0.05314	0.00051	0.42171	329.3	4.3	333.8	3.1	269	32	333.8	3.1	1.4	Single Age
IOS1654_48	131.6	2.00	0.43600	0.01300	0.05370	0.00120	0.15380	366.4	9.0	336.9	7.5	553	76	DISC	DISC	8.1	Single Age
IOS1654_49	152.3	1.63	0.37600	0.01300	0.05133	0.00075	0.22983	323.1	9.3	322.6	4.6	301	69	322.6	4.6	0.2	Single Age
IOS1654_50	382	1.96	0.39440	0.00800	0.05252	0.00058	0.02029	337.0	5.8	329.9	3.5	361	43	329.9	3.5	2.1	Single Age

SAMPLE NAME: IOS1655

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor - dance**	**Rim/ Core**
IOS1655_201	1700	67.50	0.38760	0.00750	0.05314	0.00089	0.51313	332.4	5.4	333.7	5.5	288	42	333.7	5.5	0.4	Rim
IOS1655_201	270	3.75	0.58000	0.02100	0.07160	0.00150	0.49616	464.0	13.0	445.7	9.1	530	69	445.7	9.1	3.9	Core
IOS1655_202	626	7.94	5.04700	0.05300	0.31770	0.00290	0.75761	1827.2	9.2	1778.0	14.0	1867	12	1867.0	12.0	4.8	Single Age
IOS1655_203	64.5	1.27	0.38000	0.01700	0.05014	0.00090	0.18343	324.0	13.0	315.3	5.5	348	90	315.3	5.5	2.7	Single Age
IOS1655_204	1420	68.70	0.42600	0.02500	0.05400	0.00170	0.75184	360.0	17.0	339.0	10.0	474	84	DISC	DISC	5.8	Rim
IOS1655_204	110.5	0.43	5.19000	0.06400	0.32340	0.00340	0.37822	1851.0	11.0	1806.0	16.0	1883	24	1883.0	24.0	4.1	Core
IOS1655_205	136.8	3.56	0.36000	0.01200	0.04807	0.00061	0.21612	310.7	9.2	302.6	3.7	342	72	302.6	3.7	2.6	Single Age
IOS1655_206	771	30.95	0.36980	0.00990	0.04921	0.00064	0.25869	319.2	7.4	309.6	3.9	359	59	309.6	3.9	3.0	Rim
IOS1655_206	445	4.27	5.15000	0.48000	0.22700	0.01900	0.98747	1806.0	80.0	1312.0	98.0	2465	31	DISC	DISC	46.8	Core
IOS1655_207	199	0.96	1.72200	0.03300	0.17090	0.00230	0.52958	1015.0	12.0	1017.0	13.0	993	33	1017.0	13.0	0.2	Single Age
IOS1655_208	181.8	3.21	0.89000	0.04700	0.08110	0.00130	0.25233	642.0	25.0	502.4	7.9	1130	100	DISC	DISC	21.7	Single Age

Table A2, con't.

IOS1655_209	1033	16.30	0.42200	0.01300	0.05550	0.00120	0.38618	357.4	9.4	348.1	7.4	396	69	348.1	7.4	2.6	Rim
IOS1655_209	316	1.83	0.74000	0.02400	0.08250	0.00130	0.42905	562.0	14.0	511.0	8.0	748	58	DISC	DISC	9.1	Core
IOS1655_210	2740	210.00	0.38900	0.01300	0.05130	0.00150	0.74269	333.4	9.5	322.6	9.3	389	52	322.6	9.3	3.2	Rim
IOS1655_210	367	5.08	0.58200	0.02300	0.07230	0.00140	0.19543	465.0	15.0	449.7	8.5	521	91	449.7	8.5	3.3	Core
IOS1655_211	305.7	40.40	0.35130	0.00770	0.04776	0.00059	0.14009	305.2	5.7	300.7	3.6	320	50	300.7	3.6	1.5	Single Age
IOS1655_212	1350	127.00	0.37900	0.01100	0.05150	0.00110	0.37870	325.6	8.3	323.6	6.6	320	64	323.6	6.6	0.6	Rim
IOS1655_212	235	0.70	1.14900	0.02900	0.12440	0.00220	0.45747	776.0	14.0	755.0	12.0	824	48	755.0	12.0	2.7	Core
IOS1655_213	1610	158.00	0.37740	0.00720	0.05186	0.00070	0.31432	325.0	5.3	325.9	4.3	311	47	325.9	4.3	0.3	Rim
IOS1655_213	80.8	0.90	1.12100	0.04000	0.12370	0.00220	0.33660	761.0	19.0	751.0	13.0	779	74	751.0	13.0	1.3	Core
IOS1655_214	68	2.44	0.37700	0.02200	0.04860	0.00110	0.15184	322.0	17.0	306.0	6.9	390	110	306.0	6.9	5.0	Single Age
IOS1655_215	1540	143.00	0.36870	0.00550	0.05045	0.00047	0.31238	318.4	4.1	317.2	2.9	311	33	317.2	2.9	0.4	Single Age
IOS1655_216	446	85.70	0.37700	0.01200	0.05138	0.00084	0.13884	324.1	8.6	323.0	5.1	315	73	323.0	5.1	0.3	Rim
IOS1655_216	1123	3.74	0.75600	0.01100	0.09210	0.00100	0.55447	571.6	6.3	567.8	5.9	580	27	567.8	5.9	0.7	Core
IOS1655_217	1120	121.00	0.40300	0.01300	0.05346	0.00094	0.46271	343.6	9.1	335.7	5.8	383	61	335.7	5.8	2.3	Rim
IOS1655_217	195	27.90	0.78200	0.02400	0.09190	0.00150	0.09222	586.0	14.0	567.0	8.9	645	70	567.0	8.9	3.2	Core
IOS1655_218	29.1	0.94	0.36800	0.02300	0.04960	0.00120	0.13635	315.0	17.0	311.6	7.2	300	120	311.6	7.2	1.1	Single Age
IOS1655_219	447	88.60	0.38090	0.00890	0.05191	0.00067	0.29541	327.3	6.6	326.2	4.1	330	48	326.2	4.1	0.3	Rim
IOS1655_219	94.8	1.17	0.93500	0.05500	0.10950	0.00310	0.23881	668.0	28.0	670.0	18.0	640	120	670.0	18.0	0.3	Core
IOS1655_220	2370	114.00	0.37020	0.00780	0.04907	0.00066	0.36411	319.6	5.8	308.8	4.0	379	48	308.8	4.0	3.4	Rim
IOS1655_220	576	12.00	0.73700	0.03000	0.09170	0.00370	0.41763	568.0	23.0	565.0	22.0	580	110	565.0	22.0	0.5	Core
IOS1655_221	270	3.98	0.36810	0.00940	0.05044	0.00078	0.34030	317.4	6.9	317.2	4.8	289	54	317.2	4.8	0.1	Single Age
IOS1655_222	1930	158.00	0.37700	0.01300	0.05010	0.00160	0.64508	324.1	9.3	315.0	10.0	374	59	315.0	10.0	2.8	Rim
IOS1655_222	209	3.41	5.67000	0.32000	0.24800	0.01300	0.91193	1917.0	49.0	1427.0	66.0	2509	40	DISC	DISC	43.1	Core
IOS1655_223	61.4	1.18	0.99600	0.03200	0.10870	0.00150	0.17537	700.0	16.0	665.0	8.6	794	69	DISC	DISC	5.0	Single Age
IOS1655_224	476	44.00	0.38600	0.01700	0.04920	0.00170	0.51458	331.0	12.0	309.0	11.0	481	86	DISC	DISC	6.6	Rim
IOS1655_224	847	122.60	0.79200	0.01700	0.09480	0.00170	0.56988	591.9	9.8	583.9	9.9	619	41	583.9	9.9	1.4	Core
IOS1655_225	75.8	2.02	0.37800	0.01600	0.05064	0.00078	0.10464	323.0	12.0	318.4	4.8	330	89	318.4	4.8	1.4	Single Age

Table A2, con't.

IOS1655_226	234	0.64	1.59000	0.03700	0.15820	0.00250	0.45497	964.0	14.0	946.0	14.0	997	43	946.0	14.0	1.9	Single Age
IOS1655_227	159	7.00	0.35600	0.01100	0.05002	0.00075	0.23484	308.0	8.6	314.6	4.6	250	66	314.6	4.6	2.1	Single Age
IOS1655_228	112.8	2.09	0.35300	0.01400	0.04973	0.00058	0.18749	305.0	10.0	312.9	3.6	236	76	312.9	3.6	2.6	Single Age
IOS1655_229	411	27.90	0.39080	0.00980	0.05200	0.00100	0.61740	334.9	7.3	327.8	6.3	363	46	327.8	6.3	2.1	Single Age
IOS1655_230	243	2.82	0.87800	0.05000	0.10390	0.00300	0.68631	637.0	26.0	637.0	17.0	622	88	637.0	17.0	0.0	Rim
IOS1655_230	130.1	2.41	4.03800	0.08200	0.22310	0.00400	0.28529	1641.0	17.0	1298.0	21.0	2110	40	DISC	DISC	38.5	Core
IOS1655_231	20.5	1.64	0.51100	0.04200	0.05250	0.00170	0.23954	408.0	28.0	330.0	10.0	770	170	DISC	DISC	19.1	Single Age
IOS1655_232	335.5	15.70	0.37200	0.01100	0.05057	0.00083	0.41787	320.2	8.1	318.0	5.1	307	60	318.0	5.1	0.7	Rim
IOS1655_232	316.3	36.50	0.66500	0.02600	0.07730	0.00220	0.64271	517.0	16.0	480.0	13.0	680	62	DISC	DISC	7.2	Core
IOS1655_233	293	23.70	0.38100	0.01300	0.04990	0.00110	0.29221	329.0	10.0	313.6	6.6	419	80	313.6	6.6	4.7	Rim
IOS1655_233	296.2	4.31	0.54700	0.02000	0.06970	0.00130	0.41101	442.0	13.0	434.5	7.9	466	77	434.5	7.9	1.7	Core
IOS1655_234	3660	106.00	0.36900	0.00640	0.04990	0.00070	0.54781	318.7	4.8	313.9	4.3	352	36	313.9	4.3	1.5	Rim
IOS1655_234	690	1.71	1.05900	0.03600	0.12000	0.00340	0.72619	732.0	17.0	730.0	20.0	716	55	730.0	20.0	0.3	Core
IOS1655_235	1320	58.00	0.40200	0.01200	0.05455	0.00084	0.43298	342.7	8.3	342.4	5.1	333	59	342.4	5.1	0.1	Rim
IOS1655_235	303.9	2.07	0.86000	0.02800	0.10030	0.00210	0.58487	629.0	15.0	616.0	12.0	673	59	616.0	12.0	2.1	Core
IOS1655_236	1500	15.80	0.39700	0.01300	0.05330	0.00120	0.59023	338.8	9.3	335.0	7.4	370	49	335.0	7.4	1.1	Rim
IOS1655_236	599	4.27	2.29000	0.12000	0.16010	0.00650	0.92615	1193.0	36.0	962.0	38.0	1630	25	DISC	DISC	19.4	Core
IOS1655_237	182.3	3.54	0.93900	0.01500	0.10890	0.00110	0.20697	672.3	8.1	666.5	6.2	677	38	666.5	6.2	0.9	Single Age
IOS1655_238	1710	569.00	0.38250	0.00490	0.05116	0.00049	0.39391	328.7	3.6	321.6	3.0	370	29	321.6	3.0	2.2	Rim
IOS1655_238	709	1.15	3.74000	0.17000	0.25200	0.01000	0.87941	1578.0	35.0	1447.0	52.0	1761	38	1761.0	38.0	17.8	Core
IOS1655_239	840	22.40	0.43100	0.02100	0.05200	0.00140	0.43803	363.0	15.0	326.7	8.7	593	98	DISC	DISC	10.0	Rim
IOS1655_239	192.7	1.16	7.50000	0.16000	0.31930	0.00650	0.74235	2171.0	20.0	1785.0	32.0	2559	25	DISC	DISC	30.2	Core
IOS1655_240	363	97.00	0.43200	0.03300	0.05320	0.00290	0.18442	364.0	23.0	334.0	18.0	540	170	DISC	DISC	8.2	Rim
IOS1655_240	259	1.28	2.21400	0.04000	0.20300	0.00230	0.38662	1184.0	12.0	1191.0	12.0	1166	33	1191.0	12.0	0.6	Core
IOS1655_241	527	10.10	0.41000	0.02400	0.05200	0.00067	0.01628	349.0	17.0	326.8	4.1	490	130	DISC	DISC	6.4	Rim
IOS1655_241	718	8.33	4.31400	0.03900	0.27320	0.00230	0.55497	1695.4	7.5	1557.0	12.0	1872	14	1872.0	14.0	16.8	Core
IOS1655_242	1630	40.20	0.38710	0.00590	0.05217	0.00056	0.44732	332.9	4.5	327.8	3.4	360	33	327.8	3.4	1.5	Rim

Table A2, con't.

IOS1655_242	170	1.23	1.26800	0.07500	0.13730	0.00800	0.09043	829.0	34.0	829.0	45.0	906	84	829.0	45.0	0.0	Core
IOS1655_243	1700	135.00	0.36680	0.00510	0.05025	0.00057	0.38136	317.1	3.8	316.0	3.5	324	33	316.0	3.5	0.3	Rim
IOS1655_243	145	35.30	0.57000	0.03400	0.07190	0.00240	0.39706	457.0	22.0	447.0	14.0	500	120	447.0	14.0	2.2	Core
IOS1655_244	1590	75.00	0.41900	0.01100	0.05320	0.00110	0.21561	355.0	7.5	334.2	6.5	486	63	DISC	DISC	5.9	Rim
IOS1655_244	216.4	2.06	0.94500	0.03900	0.10730	0.00180	0.49029	673.0	20.0	657.0	10.0	710	76	657.0	10.0	2.4	Core
IOS1655_245	894	5.86	0.26860	0.00850	0.03329	0.00063	0.53493	241.0	6.8	211.1	3.9	522	57	DISC	DISC	12.4	Rim
IOS1655_245	365	3.78	0.29500	0.03800	0.03960	0.00180	0.06690	265.0	26.0	250.0	11.0	440	220	DISC	DISC	5.7	Core
IOS1655_246	1346	61.50	0.37700	0.01100	0.05116	0.00085	0.41970	324.5	7.9	321.6	5.2	339	59	321.6	5.2	0.9	Rim
IOS1655_246	128.2	2.31	12.07000	0.16000	0.47680	0.00610	0.62965	2609.0	13.0	2512.0	27.0	2686	18	2686.0	18.0	6.5	Core
IOS1655_247	1720	111.00	0.37350	0.00550	0.05206	0.00054	0.42428	322.0	4.1	327.2	3.3	284	33	327.2	3.3	1.6	Rim
IOS1655_247	560	3.00	0.59900	0.04200	0.07790	0.00350	0.66319	475.0	26.0	484.0	21.0	430	120	484.0	21.0	1.9	Core
IOS1655_248	315	23.20	0.37700	0.01300	0.05100	0.00083	0.11199	324.5	9.8	320.7	5.1	338	81	320.7	5.1	1.2	Rim
IOS1655_248	102.3	1.02	4.40000	0.22000	0.29000	0.01200	0.50164	1709.0	41.0	1642.0	62.0	1797	90	1797.0	90.0	8.6	Core
IOS1655_249	242	13.30	0.42300	0.02500	0.05480	0.00120	0.08111	357.0	18.0	344.0	7.1	420	120	344.0	7.1	3.6	Rim
IOS1655_249	100.8	2.09	7.09000	0.22000	0.38160	0.00910	0.64368	2120.0	28.0	2083.0	42.0	2160	43	2160.0	43.0	3.6	Core
IOS1655_250	1467	20.08	0.37780	0.00730	0.05133	0.00065	0.52073	325.2	5.4	322.7	4.0	337	38	322.7	4.0	0.8	Rim
IOS1655_250	207.8	3.33	1.34000	0.04300	0.13970	0.00360	0.51688	862.0	19.0	843.0	21.0	915	60	843.0	21.0	2.2	Core
IOS1655_251	375.5	47.00	0.36110	0.00850	0.05003	0.00067	0.37345	312.7	6.4	314.7	4.1	295	51	314.7	4.1	0.6	Single Age
IOS1655_252	577	10.60	0.35720	0.00630	0.04893	0.00044	0.18118	309.7	4.7	308.3	2.8	309	39	308.3	2.8	0.5	Single Age
IOS1655_253	430	53.30	0.37500	0.01200	0.04933	0.00091	0.28114	322.8	9.0	310.4	5.6	405	71	310.4	5.6	3.8	Rim
IOS1655_253	1100	20.80	0.71800	0.02200	0.08580	0.00190	0.50309	549.0	13.0	531.0	11.0	626	58	531.0	11.0	3.3	Core
IOS1655_254	633	32.20	0.64200	0.01900	0.05333	0.00076	0.21506	503.0	12.0	334.9	4.6	1355	58	DISC	DISC	33.4	Rim
IOS1655_254	262.2	5.02	1.24100	0.05200	0.07540	0.00210	0.52975	817.0	23.0	469.0	13.0	1946	58	DISC	DISC	42.6	Core
IOS1655_255	1960	45.00	0.38140	0.00740	0.05172	0.00059	0.40432	327.6	5.5	325.1	3.6	338	40	325.1	3.6	0.8	Rim
IOS1655_255	109.3	3.18	0.70000	0.07200	0.08670	0.00620	0.77115	534.0	43.0	535.0	37.0	520	160	535.0	37.0	0.2	Core
IOS1655_256	1337	33.70	0.37190	0.00600	0.05086	0.00069	0.32207	320.7	4.4	319.8	4.2	321	38	319.8	4.2	0.3	Rim
IOS1655_256	393	7.18	0.58900	0.04200	0.07620	0.00260	0.39408	469.0	27.0	473.0	16.0	450	140	473.0	16.0	0.9	Core
IOS1655_257	1130	88.00	0.38700	0.00680	0.05242	0.00055	0.58408	331.7	5.0	329.3	3.3	352	30	329.3	3.3	0.7	Single Age

Table A2, con't.

IOS1655_258	1202	23.30	0.37260	0.00540	0.05119	0.00048	0.44996	321.3	4.0	321.8	2.9	323	30	321.8	2.9	0.2	Single Age
IOS1655_259	253.1	16.80	0.37270	0.00860	0.05051	0.00071	0.34427	321.0	6.3	317.6	4.3	345	49	317.6	4.3	1.1	Single Age
IOS1655_260	1110	54.80	0.45200	0.03400	0.05166	0.00079	0.56898	375.0	22.0	324.7	4.9	660	130	DISC	DISC	13.4	Rim
IOS1655_260	90	1.28	5.97000	0.27000	0.14290	0.00540	0.45406	1967.0	38.0	861.0	30.0	3489	59	DISC	DISC	56.2	Core
IOS1655_261	918	28.00	0.51100	0.01900	0.05105	0.00064	0.57645	419.0	13.0	320.9	3.9	970	64	DISC	DISC	23.4	Single Age
IOS1655_262	375	66.00	0.38100	0.01500	0.05280	0.00130	0.28395	327.0	11.0	331.6	7.8	297	84	331.6	7.8	1.4	Rim
IOS1655_262	223.7	3.53	0.98000	0.03300	0.11210	0.00230	0.44501	692.0	17.0	685.0	14.0	719	68	685.0	14.0	1.0	Core
IOS1655_263	476	35.00	0.40600	0.01400	0.05501	0.00099	0.14755	345.0	10.0	345.2	6.0	342	79	345.2	6.0	0.1	Rim
IOS1655_263	450	1.17	0.73000	0.01800	0.08960	0.00150	0.54591	556.0	11.0	553.0	8.6	575	46	553.0	8.6	0.5	Core
IOS1655_264	406	5.45	0.56100	0.05100	0.07350	0.00300	0.67089	451.0	33.0	457.0	18.0	420	160	457.0	18.0	1.3	Rim
IOS1655_264	190.2	1.36	0.82100	0.01600	0.09810	0.00100	0.20531	608.6	8.8	603.2	5.9	618	41	603.2	5.9	0.9	Core
IOS1655_265	67.1	1.81	0.36900	0.01800	0.04959	0.00092	0.39165	315.0	13.0	311.9	5.7	335	93	311.9	5.7	1.0	Single Age
IOS1655_266	978	6.40	0.91600	0.01300	0.10700	0.00130	0.42489	660.0	6.9	655.3	7.9	686	31	655.3	7.9	0.7	Single Age
IOS1655_267	93.9	2.50	1.11500	0.03400	0.12530	0.00230	0.17210	758.0	16.0	761.0	13.0	755	72	761.0	13.0	0.4	Single Age
IOS1655_268	294	19.20	0.37800	0.01100	0.05125	0.00066	0.31822	324.5	8.0	322.2	4.0	337	59	322.2	4.0	0.7	Single Age
IOS1655_269	898	95.20	0.68600	0.04200	0.08300	0.00450	0.30110	529.0	25.0	514.0	27.0	600	140	514.0	27.0	2.8	Rim
IOS1655_269	174.1	1.04	1.52300	0.03800	0.15210	0.00330	0.26107	938.0	15.0	912.0	19.0	1007	60	912.0	19.0	2.8	Core
IOS1655_270	438	41.00	0.41800	0.02400	0.05460	0.00150	0.47632	354.0	17.0	342.9	9.3	420	110	342.9	9.3	3.1	Rim
IOS1655_270	1920	3.14	0.68100	0.01100	0.08390	0.00160	0.48380	526.9	6.9	519.1	9.2	567	42	519.1	9.2	1.5	Rim
IOS1655_270	2009	2.74	0.77300	0.01500	0.09610	0.00160	0.65038	581.2	8.8	591.2	9.2	555	34	591.2	9.2	1.7	Core
IOS1655_271	1130	88.00	0.36600	0.00650	0.05134	0.00077	0.49064	316.3	4.8	322.7	4.7	283	37	322.7	4.7	2.0	Single Age
IOS1655_272	1394	23.30	0.38190	0.00820	0.05251	0.00061	0.48357	328.2	6.0	329.9	3.7	319	44	329.9	3.7	0.5	Rim
IOS1655_272	225	3.26	0.77900	0.04500	0.09350	0.00400	0.76796	582.0	25.0	576.0	24.0	612	80	576.0	24.0	1.0	Core
IOS1655_273	751	35.70	0.39000	0.01500	0.05380	0.00130	0.53777	334.0	11.0	337.5	7.8	314	73	337.5	7.8	1.0	Rim
IOS1655_273	1309	1.67	0.77300	0.01400	0.09480	0.00150	0.31246	581.2	7.8	586.2	9.8	590	35	586.2	9.8	0.9	Core
IOS1655_274	1140	66.00	0.40200	0.01400	0.05400	0.00160	0.54619	343.0	10.0	339.1	9.6	375	68	339.1	9.6	1.1	Rim
IOS1655_274	82.8	1.14	0.85300	0.04000	0.10850	0.00210	0.08484	624.0	21.0	664.0	12.0	480	110	DISC	DISC	6.4	Core
IOS1655_275	893	27.50	0.48200	0.03600	0.06550	0.00580	0.77259	398.0	25.0	408.0	35.0	370	120	408.0	35.0	2.5	Rim

Table A2, con't.

IOS1655_275	470	5.27	0.69000	0.01600	0.08430	0.00170	0.32999	532.1	9.5	522.0	10.0	582	56	522.0	10.0	1.9	Core
IOS1655_276	981	29.60	0.40600	0.01000	0.05034	0.00078	0.44504	345.5	7.5	316.6	4.8	539	50	DISC	DISC	8.4	Rim
IOS1655_276	407	5.86	0.46700	0.02500	0.06240	0.00260	0.23519	388.0	17.0	390.0	16.0	380	140	390.0	16.0	0.5	Core
IOS1655_277	1250	92.00	0.41200	0.02500	0.05530	0.00330	0.48416	349.0	18.0	347.0	20.0	380	120	347.0	20.0	0.6	Rim
IOS1655_277	77.6	1.35	11.6400 0	0.27000	0.47330	0.00850	0.46010	2573. 0	22.0	2497. 0	37.0	2644	36	2644.0	36.0	5.6	Core
IOS1655_278	406. 4	24.70	0.40000	0.01500	0.05330	0.00110	0.35409	341.0	11.0	335.0	6.5	381	81	335.0	6.5	1.8	Rim
IOS1655_278	816	0.96	0.77500	0.02600	0.09460	0.00230	0.77025	581.0	15.0	582.0	14.0	603	43	582.0	14.0	0.2	Core
IOS1655_279	78.9	4.59	0.35700	0.01800	0.04870	0.00094	0.21776	309.0	14.0	306.4	5.8	320	100	306.4	5.8	0.8	Single Age
IOS1655_280	990	19.60	0.39100	0.01000	0.05326	0.00075	0.30673	334.9	7.3	334.5	4.6	332	54	334.5	4.6	0.1	Rim
IOS1655_280	91.6	2.48	0.51900	0.03100	0.06270	0.00150	0.14445	422.0	20.0	391.9	9.3	560	130	DISC	DISC	7.1	Core
IOS1655_1	644	47.40	0.43300	0.01100	0.05720	0.00110	0.68455	364.0	7.6	358.4	6.5	370	41	358.4	6.5	1.5	Single Age
IOS1655_2	513	33.00	0.66100	0.01300	0.08010	0.00120	0.63808	515.5	7.5	496.6	7.3	568	34	496.6	7.3	3.7	Single Age
IOS1655_3	780	39.10	0.36920	0.00600	0.05107	0.00060	0.51386	319.4	4.3	321.0	3.7	275	32	321.0	3.7	0.5	Single Age
IOS1655_4	1269	280.0 0	0.37240	0.00780	0.05030	0.00100	0.69475	321.0	5.8	316.3	6.3	332	37	316.3	6.3	1.5	Single Age
IOS1655_5	828	6.60	0.91900	0.01300	0.10690	0.00130	0.66472	661.2	6.9	654.7	7.4	661	23	654.7	7.4	1.0	Single Age
IOS1655_6	388	25.20	0.40800	0.01200	0.05300	0.00120	0.56108	347.9	8.3	333.0	7.1	408	55	333.0	7.1	4.3	Rim
IOS1655_6	306	23.70	0.89900	0.06300	0.10210	0.00640	0.87984	646.0	34.0	626.0	38.0	704	70	626.0	38.0	3.1	Core
IOS1655_7	1249	3.71	0.43800	0.01500	0.05291	0.00074	0.58229	367.0	10.0	332.3	4.5	538	60	DISC	DISC	9.5	Single Age
IOS1655_8	98.7	0.68	1.70300	0.02700	0.16590	0.00210	0.36927	1008. 0	10.0	989.0	11.0	1026	34	989.0	11.0	1.9	Single Age
IOS1655_9	2140	199.0 0	0.36910	0.00580	0.04935	0.00061	0.45972	318.8	4.3	310.5	3.8	354	35	310.5	3.8	2.6	Rim
IOS1655_9	276	2.01	0.89600	0.02600	0.10300	0.00230	0.77293	648.0	14.0	632.0	13.0	686	39	632.0	13.0	2.5	Core
IOS1655_10	820	71.00	0.37300	0.01000	0.05338	0.00097	0.53728	320.8	7.7	335.2	5.9	221	48	335.2	5.9	4.5	Single Age
IOS1655_11	1420	138.0 0	0.39300	0.01500	0.05380	0.00180	0.52400	335.0	10.0	337.0	11.0	301	74	337.0	11.0	0.6	Single Age
IOS1655_12	427	21.20	0.38800	0.02100	0.05640	0.00280	0.76070	331.0	15.0	354.0	17.0	206	80	DISC	DISC	6.9	Rim
IOS1655_12	230	3.31	0.67300	0.02500	0.08880	0.00310	0.78940	521.0	15.0	548.0	18.0	394	53	DISC	DISC	5.2	Core
IOS1655_13	265	29.30	0.35300	0.01100	0.05450	0.00190	0.63712	306.8	8.5	342.0	12.0	87	57	DISC	DISC	11.5	Single Age
IOS1655_14	301	11.70	0.99100	0.02700	0.10810	0.00210	0.66371	697.0	14.0	661.0	12.0	790	44	DISC	DISC	5.2	Single Age

Table A2, con't.

IOS1655_15	1511	49.80	0.38140	0.00720	0.05153	0.00085	0.73253	328.2	5.4	323.8	5.2	340	29	323.8	5.2	1.3	Single Age
IOS1655_16	280	39.40	0.41800	0.01400	0.05220	0.00110	0.30275	354.1	9.7	328.1	6.5	510	67	DISC	DISC	7.3	Rim
IOS1655_16	379.2	5.41	0.57600	0.01400	0.07110	0.00120	0.60308	461.2	9.1	442.6	6.9	543	43	442.6	6.9	4.0	Core
IOS1655_17	295	26.10	0.38340	0.00730	0.05133	0.00074	0.53877	329.0	5.4	322.6	4.5	362	37	322.6	4.5	1.9	Single Age
IOS1655_18	1370	44.30	0.41480	0.00780	0.05487	0.00074	0.76791	351.8	5.5	344.3	4.5	390	27	344.3	4.5	2.1	Single Age
IOS1655_19	202.4	4.03	0.38470	0.00820	0.05191	0.00062	0.39236	330.6	5.9	326.2	3.8	348	42	326.2	3.8	1.3	Single Age
IOS1655_20	183.7	4.77	0.40100	0.01100	0.05077	0.00098	0.43111	341.3	7.8	319.1	6.0	486	56	DISC	DISC	6.5	Single Age
IOS1655_21	364	14.60	0.37900	0.01200	0.05310	0.00140	0.55426	327.2	8.8	333.5	8.3	277	59	333.5	8.3	1.9	Rim
IOS1655_21	557	13.70	0.69900	0.03000	0.08320	0.00300	0.91767	536.0	18.0	515.0	18.0	632	32	515.0	18.0	3.9	Core
IOS1655_22	262.1	19.20	0.36610	0.00680	0.04882	0.00054	0.25367	317.0	5.2	307.3	3.3	377	43	307.3	3.3	3.1	Single Age
IOS1655_23	1052	64.30	0.37430	0.00900	0.05006	0.00089	0.61972	322.4	6.6	314.9	5.4	371	42	314.9	5.4	2.3	Single Age
IOS1655_24	414	135.00	0.37790	0.00840	0.05073	0.00075	0.43503	325.1	6.1	319.0	4.6	354	47	319.0	4.6	1.9	Rim
IOS1655_24	532	1.35	0.83600	0.01500	0.10020	0.00130	0.35892	616.7	8.2	615.3	7.4	617	38	615.3	7.4	0.2	Core
IOS1655_26	840	32.70	0.37380	0.00700	0.05127	0.00060	0.38737	322.0	5.1	322.2	3.6	339	40	322.2	3.6	0.1	Single Age
IOS1655_27	1101	3.36	1.04700	0.02000	0.11930	0.00230	0.77412	726.0	10.0	727.0	13.0	719	29	727.0	13.0	0.1	Single Age
IOS1655_28	1100	144.00	0.73000	0.06700	0.05650	0.00100	0.65214	538.0	35.0	354.0	6.1	1280	130	DISC	DISC	34.2	Single Age
IOS1655_29	1110	126.00	0.37400	0.00560	0.05157	0.00060	0.42896	322.3	4.1	324.1	3.7	306	33	324.1	3.7	0.6	Single Age
IOS1655_30	993	46.30	0.39550	0.00840	0.05497	0.00096	0.72469	337.7	6.1	344.9	5.9	288	33	344.9	5.9	2.1	Single Age
IOS1655_31	74.4	3.68	0.56400	0.02600	0.05590	0.00120	0.09898	450.0	17.0	350.3	7.3	952	83	DISC	DISC	22.2	Single Age
IOS1655_32	1220	131.00	0.42000	0.01700	0.06010	0.00290	0.77616	355.0	12.0	376.0	18.0	225	58	DISC	DISC	5.9	Rim
IOS1655_32	189.2	9.20	0.93000	0.09100	0.12400	0.01000	0.79955	642.0	49.0	749.0	58.0	360	120	DISC	DISC	16.7	Core
IOS1655_33	1610	181.00	0.39340	0.00610	0.05189	0.00083	0.52802	336.6	4.4	326.1	5.1	420	34	326.1	5.1	3.1	Single Age
IOS1655_34	152	8.50	0.39300	0.01100	0.05419	0.00084	0.43099	335.6	7.8	340.1	5.1	302	53	340.1	5.1	1.3	Single Age
IOS1655_35	178.3	4.68	0.35600	0.01000	0.05151	0.00095	0.58045	309.4	7.4	323.7	5.8	197	49	323.7	5.8	4.6	Single Age
IOS1655_36	51.42	0.81	1.74400	0.04200	0.16760	0.00280	0.27151	1022.0	15.0	998.0	15.0	1079	47	998.0	15.0	2.3	Single Age
IOS1655_37	283	2.87	0.39550	0.00860	0.05230	0.00079	0.55306	337.7	6.3	328.5	4.8	398	41	328.5	4.8	2.7	Single Age

Table A2, con't.

IOS1655_38	703	23.40	0.39430	0.00790	0.05176	0.00074	0.58860	337.2	5.8	325.3	4.5	416	38	325.3	4.5	3.5	Single Age
IOS1655_39	352	47.70	0.37300	0.01100	0.04992	0.00096	0.53675	321.3	8.0	314.0	5.9	365	58	314.0	5.9	2.3	Rim
IOS1655_39	75	1.74	0.78100	0.03000	0.09570	0.00280	0.52289	584.0	17.0	589.0	16.0	558	73	589.0	16.0	0.9	Core
IOS1655_40	118	15.00	0.43400	0.01500	0.05180	0.00120	0.46606	366.0	11.0	325.6	7.2	626	69	DISC	DISC	11.0	Single Age
IOS1655_41	686	41.50	0.39600	0.02100	0.05390	0.00260	0.67583	340.0	14.0	338.0	16.0	363	82	338.0	16.0	0.6	Single Age
IOS1655_42	117	8.00	0.37700	0.02200	0.05300	0.00170	0.34869	320.0	17.0	333.0	10.0	240	110	333.0	10.0	4.1	Single Age
IOS1655_43	121.9	8.90	0.35400	0.01200	0.05160	0.00130	0.52490	306.6	8.7	324.2	7.7	184	60	DISC	DISC	5.7	Single Age
IOS1655_44	181	12.20	0.40700	0.01700	0.05480	0.00240	0.59327	345.0	12.0	344.0	15.0	375	85	344.0	15.0	0.3	Single Age
IOS1655_45	347	5.31	0.41800	0.01900	0.05090	0.00220	0.69229	353.0	14.0	320.0	14.0	576	80	DISC	DISC	9.3	Rim
IOS1655_45	588	5.47	0.95400	0.02700	0.10730	0.00280	0.67954	678.0	14.0	657.0	16.0	760	53	657.0	16.0	3.1	Core
IOS1655_46	554	28.70	0.43100	0.01200	0.05500	0.00170	0.50162	363.2	8.7	345.0	10.0	481	65	DISC	DISC	5.0	Rim
IOS1655_46	97.8	1.57	1.09700	0.04600	0.09390	0.00290	0.54075	748.0	22.0	578.0	17.0	1303	77	DISC	DISC	22.7	Core
IOS1655_47	373	2.44	0.66300	0.01700	0.08140	0.00180	0.56718	515.0	10.0	504.0	11.0	560	51	504.0	11.0	2.1	Single Age
IOS1655_48	199	10.60	0.39700	0.01500	0.05580	0.00150	0.48021	338.0	11.0	350.1	8.9	263	71	350.1	8.9	3.6	Rim
IOS1655_48	134.9	1.33	1.36500	0.07700	0.13750	0.00570	0.67649	871.0	32.0	830.0	32.0	969	87	830.0	32.0	4.7	Core
IOS1655_49	447	16.20	0.38800	0.01700	0.05370	0.00210	0.58504	333.0	13.0	337.0	13.0	290	73	337.0	13.0	1.2	Rim
IOS1655_49	403.1	4.14	0.83800	0.02300	0.09360	0.00240	0.71707	617.0	12.0	577.0	14.0	765	43	DISC	DISC	6.5	Core
IOS1655_50	530	13.60	0.36170	0.00630	0.05259	0.00078	0.40180	313.1	4.7	330.4	4.8	185	39	DISC	DISC	5.5	Single Age

SAMPLE NAME: IOS1656

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1656_1	600	3.91	0.39340	0.00770	0.05342	0.00085	0.58713	336.9	5.8	335.4	5.2	349	37	335.4	5.2	0.4	Single Age
IOS1656_2	612	2.43	0.37720	0.00640	0.05223	0.00068	0.62434	324.6	4.7	328.1	4.2	302	31	328.1	4.2	1.1	Single Age
IOS1656_3	1445	3.38	0.37340	0.00420	0.05126	0.00054	0.63306	322.0	3.1	322.2	3.3	328	20	322.2	3.3	0.1	Single Age
IOS1656_4	349	2.66	0.32000	0.01200	0.04350	0.00120	0.05180	281.4	9.0	274.6	7.7	340	110	274.6	7.7	2.4	Rim

Table A2, con't.

IOS1656_4	867	2.57	0.41130	0.00670	0.05650	0.00061	0.47930	349.5	4.8	354.3	3.7	330	32	354.3	3.7	1.4	Core
IOS1656_5	1389	4.01	0.35600	0.00600	0.04804	0.00077	0.46775	309.1	4.5	302.5	4.8	365	39	302.5	4.8	2.1	Rim
IOS1656_5	450	1.14	0.37350	0.00720	0.05014	0.00071	0.52358	322.0	5.3	315.3	4.3	372	45	315.3	4.3	2.1	Core
IOS1656_6	482	1.96	0.32710	0.00630	0.04468	0.00051	0.47096	286.9	4.8	281.8	3.2	324	39	281.8	3.2	1.8	Single Age
IOS1656_7	365	2.68	0.37010	0.00700	0.05073	0.00069	0.54427	319.4	5.2	318.9	4.2	327	37	318.9	4.2	0.2	Single Age
IOS1656_8	588	1.94	0.35450	0.00550	0.04935	0.00052	0.42429	308.4	4.2	310.5	3.2	292	33	310.5	3.2	0.7	Single Age
IOS1656_9	331	1.67	0.38550	0.00690	0.05287	0.00050	0.19602	330.6	5.0	332.1	3.1	322	40	332.1	3.1	0.5	Single Age
IOS1656_10	1803	5.79	0.35440	0.00380	0.04854	0.00049	0.57005	307.9	2.8	305.5	3.0	337	20	305.5	3.0	0.8	Single Age
IOS1656_12	820	5.68	0.34000	0.01100	0.04680	0.00100	0.60229	296.8	8.3	294.8	6.3	314	62	294.8	6.3	0.7	Rim
IOS1656_12	1830	4.56	0.37340	0.00410	0.05104	0.00050	0.56799	322.1	3.1	320.9	3.1	332	22	320.9	3.1	0.4	Core
IOS1656_13	2450	1.97	0.37050	0.00900	0.05110	0.00110	0.66328	319.8	6.7	321.1	6.8	316	42	321.1	6.8	0.4	Rim
IOS1656_13	360	1.32	0.43190	0.00790	0.05900	0.00059	0.27582	364.2	5.5	369.5	3.6	328	40	369.5	3.6	1.5	Core
IOS1656_14	1340	11.50	0.35400	0.01800	0.04850	0.00140	0.24986	308.0	13.0	305.0	8.9	330	120	305.0	8.9	1.0	Rim
IOS1656_14	237	3.17	0.38420	0.00900	0.05291	0.00054	0.31928	329.4	6.6	332.3	3.3	302	48	332.3	3.3	0.9	Core
IOS1656_15	453	1.84	0.37440	0.00680	0.05056	0.00047	0.12920	322.5	5.0	317.9	2.9	349	38	317.9	2.9	1.4	Single Age
IOS1656_16	322	1.48	0.36260	0.00700	0.04962	0.00051	0.19353	313.7	5.2	312.1	3.1	325	45	312.1	3.1	0.5	Single Age
IOS1656_17	539	2.36	0.36940	0.00600	0.05022	0.00043	0.21192	318.9	4.4	315.9	2.7	333	36	315.9	2.7	0.9	Single Age
IOS1656_18	365	2.02	0.37250	0.00660	0.05173	0.00055	0.22239	321.1	4.9	325.1	3.4	289	41	325.1	3.4	1.2	Single Age
IOS1656_19	1570	5.07	0.37200	0.04200	0.04130	0.00140	0.29840	317.0	29.0	260.9	8.8	680	160	DISC	DISC	17.7	Rim
IOS1656_19	522	3.72	1.20400	0.03100	0.12690	0.00280	0.87926	801.0	14.0	769.0	16.0	889	26	769.0	16.0	4.0	Core
IOS1656_20	456	6.04	0.36600	0.00580	0.05018	0.00045	0.25010	316.3	4.3	316.0	2.8	315	35	316.0	2.8	0.1	Single Age
IOS1656_21	2720	6.56	0.30520	0.00610	0.04182	0.00063	0.50739	270.4	4.7	264.1	3.9	324	41	264.1	3.9	2.3	Rim
IOS1656_21	319	2.63	0.34630	0.00900	0.04819	0.00075	0.43797	301.4	6.8	303.4	4.6	280	53	303.4	4.6	0.7	Core
IOS1656_22	626	2.31	0.35860	0.00480	0.04931	0.00035	0.26340	310.9	3.6	310.2	2.2	305	31	310.2	2.2	0.2	Single Age
IOS1656_23	528	1.50	0.36280	0.00530	0.04933	0.00036	0.13374	314.5	3.8	310.4	2.2	334	34	310.4	2.2	1.3	Single Age
IOS1656_24	1290	1.82	0.33490	0.00500	0.04568	0.00054	0.41805	293.2	3.8	287.9	3.3	333	33	287.9	3.3	1.8	Single Age
IOS1656_25	277.8	1.71	0.37000	0.00670	0.05002	0.00044	0.16973	319.2	4.9	314.6	2.7	338	39	314.6	2.7	1.4	Single Age
IOS1656_26	3880	7.54	0.36090	0.00870	0.04767	0.00091	0.59678	312.9	6.5	300.2	5.6	411	48	300.2	5.6	4.1	Rim

Table A2, con't.

IOS1656_26	397	2.05	0.37110	0.00680	0.05086	0.00057	0.48924	321.8	5.4	320.3	3.4	328	39	320.3	3.4	0.5	Core
IOS1656_27	546	1.96	0.36430	0.00550	0.04982	0.00046	0.23903	315.1	4.1	313.4	2.8	317	36	313.4	2.8	0.5	Single Age
IOS1656_28	3800	13.20	0.37140	0.00890	0.04966	0.00093	0.68232	320.6	6.6	312.4	5.7	381	40	312.4	5.7	2.6	Rim
IOS1656_28	778	4.00	0.79100	0.01500	0.09070	0.00140	0.59252	591.7	8.4	559.6	8.4	714	33	DISC	DISC	5.4	Core
IOS1656_29	504	1.63	0.36960	0.00610	0.05062	0.00048	0.47483	319.0	4.5	318.3	2.9	316	33	318.3	2.9	0.2	Single Age
IOS1656_30	470	3.61	0.36510	0.00600	0.05097	0.00043	0.24244	315.6	4.5	320.4	2.6	278	37	320.4	2.6	1.5	Single Age
IOS1656_31	1370	3.77	0.38640	0.00540	0.05353	0.00070	0.58106	331.7	4.0	336.2	4.3	306	31	336.2	4.3	1.4	Single Age
IOS1656_32	845	2.53	0.37700	0.00520	0.05175	0.00050	0.65739	325.0	3.9	325.2	3.1	317	24	325.2	3.1	0.1	Single Age
IOS1656_33	597	4.01	0.46390	0.00980	0.06219	0.00075	0.32140	386.8	6.8	388.9	4.5	361	47	388.9	4.5	0.5	Single Age
IOS1656_34	527	2.79	0.36290	0.00490	0.05013	0.00041	0.12371	314.1	3.7	315.3	2.5	300	31	315.3	2.5	0.4	Single Age
IOS1656_35	2300	2.38	0.36980	0.00460	0.05049	0.00047	0.29289	319.3	3.4	317.5	2.9	328	24	317.5	2.9	0.6	Single Age
IOS1656_36	128	1.46	0.39000	0.01200	0.05134	0.00070	0.01048	334.2	8.7	322.7	4.3	396	68	322.7	4.3	3.4	Single Age
IOS1656_37	243	1.68	0.39540	0.00720	0.05321	0.00051	0.19432	338.5	5.1	334.2	3.1	352	41	334.2	3.1	1.3	Single Age
IOS1656_38	218	2.07	0.43400	0.01400	0.05136	0.00055	0.11987	365.0	10.0	322.8	3.4	599	69	DISC	DISC	11.6	Single Age
IOS1656_39	1110	4.67	0.38270	0.00610	0.05238	0.00050	0.52460	330.0	4.5	329.1	3.1	328	32	329.1	3.1	0.3	Single Age
IOS1656_40	396	1.24	0.35880	0.00630	0.04868	0.00050	0.31571	310.9	4.7	306.4	3.1	340	39	306.4	3.1	1.4	Single Age
IOS1656_41	980	2.27	0.37800	0.00680	0.05168	0.00053	0.48103	326.5	5.3	324.8	3.2	334	35	324.8	3.2	0.5	Single Age
IOS1656_42	458	2.54	0.35620	0.00520	0.04872	0.00045	0.36500	309.1	3.9	306.6	2.8	318	32	306.6	2.8	0.8	Single Age
IOS1656_43	608	6.43	0.39540	0.00940	0.05143	0.00056	0.27010	337.5	6.6	323.3	3.4	401	40	323.3	3.4	4.2	Single Age
IOS1656_44	443	3.04	0.38650	0.00580	0.05359	0.00049	0.33361	331.5	4.3	336.5	3.0	287	33	336.5	3.0	1.5	Single Age
IOS1656_45	2330	3.45	0.35080	0.00600	0.04635	0.00073	0.51204	305.0	4.5	292.0	4.5	387	31	292.0	4.5	4.3	Single Age
IOS1656_46	484	2.08	0.36620	0.00690	0.05024	0.00049	0.18819	316.4	5.1	316.0	3.0	308	41	316.0	3.0	0.1	Single Age
IOS1656_47	349	1.58	0.37220	0.00670	0.05226	0.00051	0.26696	321.6	4.8	328.3	3.1	253	38	328.3	3.1	2.1	Single Age
IOS1656_48	253	1.51	0.37870	0.00870	0.05077	0.00051	0.21923	325.4	6.4	319.3	3.1	351	48	319.3	3.1	1.9	Single Age
IOS1656_49	630	3.18	0.37700	0.00530	0.05209	0.00044	0.37387	324.6	3.9	327.3	2.7	300	31	327.3	2.7	0.8	Single Age

Table A2, con't.

IOS1656_50	674	2.24	0.37130	0.00560	0.05069	0.00054	0.11413	320.3	4.1	318.7	3.3	317	32	318.7	3.3	0.5	Single Age

SAMPLE NAME: IOS1657

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1657_1	548	1.65	0.37300	0.00760	0.05143	0.00054	0.20165	321.6	5.6	323.3	3.3	299	47	323.3	3.3	0.5	Single Age
IOS1657_2	330.7	1.15	0.36800	0.01600	0.04840	0.00046	0.05922	313.1	7.3	304.7	2.9	334	41	304.7	2.9	2.7	Single Age
IOS1657_3	341	3.05	0.37130	0.00860	0.05084	0.00061	0.41293	320.0	6.4	319.7	3.7	306	47	319.7	3.7	0.1	Single Age
IOS1657_4	1770	2.66	0.32650	0.00500	0.04494	0.00054	0.17402	286.6	3.8	283.3	3.3	309	30	283.3	3.3	1.2	Single Age
IOS1657_5	319	2.89	0.37620	0.00800	0.05170	0.00048	0.22584	324.4	5.7	324.9	2.9	312	44	324.9	2.9	0.2	Single Age
IOS1657_6	239	1.88	0.37190	0.00770	0.05043	0.00060	0.35964	320.4	5.7	317.1	3.7	336	43	317.1	3.7	1.0	Single Age
IOS1657_7	582	2.18	0.36360	0.00540	0.04972	0.00042	0.19847	314.6	4.0	312.8	2.6	317	32	312.8	2.6	0.6	Single Age
IOS1657_8	366	4.05	0.37600	0.01000	0.05080	0.00076	0.30589	323.9	7.7	319.4	4.7	345	60	319.4	4.7	1.4	Rim
IOS1657_8	624	28.40	1.31400	0.06500	0.13500	0.00420	0.91997	849.0	28.0	816.0	24.0	929	48	816.0	24.0	3.9	Core
IOS1657_9	277	2.66	0.37680	0.00750	0.05170	0.00058	0.41455	324.2	5.5	324.9	3.6	320	40	324.9	3.6	0.2	Single Age
IOS1657_10	527	3.35	0.36930	0.00770	0.05104	0.00075	0.35189	318.7	5.7	320.9	4.6	300	46	320.9	4.6	0.7	Single Age
IOS1657_11	238	1.56	0.37900	0.01100	0.05007	0.00054	0.22597	323.6	7.4	314.9	3.3	368	55	314.9	3.3	2.7	Single Age
IOS1657_12	785	2.16	0.36240	0.00480	0.04988	0.00049	0.16723	313.8	3.6	313.8	3.0	306	28	313.8	3.0	0.0	Single Age
IOS1657_13	960	7.86	0.38200	0.00700	0.05225	0.00067	0.48978	328.3	5.1	328.3	4.1	323	38	328.3	4.1	0.0	Single Age
IOS1657_14	6980	16.07	0.35050	0.00880	0.04880	0.00120	0.77732	305.1	6.7	306.9	7.4	291	29	306.9	7.4	0.6	Rim
IOS1657_14	411	2.34	0.37120	0.00610	0.05094	0.00049	0.31977	320.3	4.5	320.2	3.0	307	37	320.2	3.0	0.0	Core
IOS1657_15	270	1.74	0.38340	0.00920	0.05223	0.00062	0.18806	328.9	6.7	328.1	3.8	321	50	328.1	3.8	0.2	Single Age
IOS1657_16	381	1.40	0.36200	0.00650	0.05006	0.00053	0.35395	313.3	4.9	314.8	3.2	289	39	314.8	3.2	0.5	Single Age
IOS1657_17	752	3.24	0.37090	0.00490	0.05054	0.00042	0.36570	320.1	3.6	317.8	2.6	327	29	317.8	2.6	0.7	Single Age
IOS1657_18	352	1.79	0.36580	0.00760	0.04926	0.00048	0.28332	316.0	5.6	310.0	2.9	344	44	310.0	2.9	1.9	Single Age

Table A2, con't.

IOS1657_19	217	1.79	0.37450	0.00810	0.05124	0.00061	0.19856	322.4	6.0	322.1	3.7	311	49	322.1	3.7	0.1	Single Age
IOS1657_20	525	3.39	0.35840	0.00490	0.04892	0.00038	0.23866	310.8	3.6	307.8	2.3	320	31	307.8	2.3	1.0	Single Age
IOS1657_21	393	1.77	0.36110	0.00540	0.04972	0.00040	0.16769	312.7	4.0	312.8	2.4	301	33	312.8	2.4	0.0	Single Age
IOS1657_22	278	1.36	0.37720	0.00780	0.05083	0.00049	0.24822	324.5	5.7	319.6	3.0	344	44	319.6	3.0	1.5	Single Age
IOS1657_23	459	2.76	0.38020	0.00590	0.05150	0.00042	0.34573	326.9	4.3	323.7	2.6	336	32	323.7	2.6	1.0	Single Age
IOS1657_24	171	1.84	0.42400	0.01200	0.05330	0.00083	0.13783	357.4	8.5	334.7	5.0	489	62	DISC	DISC	6.4	Single Age
IOS1657_25	505	3.50	0.36900	0.01200	0.04780	0.00100	0.05934	318.8	8.7	301.2	6.4	438	61	DISC	DISC	5.5	Single Age
IOS1657_26	241	1.88	0.38900	0.00980	0.05254	0.00059	0.18796	332.8	7.0	330.0	3.6	335	51	330.0	3.6	0.8	Single Age
IOS1657_27	189	1.62	0.35600	0.01100	0.05129	0.00075	0.10282	308.4	8.4	322.4	4.6	209	62	322.4	4.6	4.5	Single Age
IOS1657_28	472	2.13	0.38330	0.00800	0.05241	0.00070	0.47407	328.9	5.8	329.2	4.3	313	43	329.2	4.3	0.1	Single Age
IOS1657_29	344.7	1.78	0.37460	0.00570	0.05137	0.00043	0.36130	322.7	4.2	322.9	2.6	312	32	322.9	2.6	0.1	Single Age
IOS1657_30	391	1.17	0.36450	0.00830	0.04963	0.00052	0.34891	315.2	6.2	312.2	3.2	326	49	312.2	3.2	1.0	Single Age
IOS1657_31	221	1.31	0.37510	0.00720	0.05120	0.00059	0.12961	322.9	5.3	321.8	3.6	321	45	321.8	3.6	0.3	Single Age
IOS1657_32	83.1	1.35	0.36900	0.01300	0.04821	0.00069	0.00712	317.7	9.6	303.5	4.2	391	85	303.5	4.2	4.5	Single Age
IOS1657_33	521	4.42	0.37500	0.01100	0.05222	0.00083	0.39249	322.8	8.1	328.1	5.1	281	60	328.1	5.1	1.6	Rim
IOS1657_33	518	2.32	0.41640	0.00800	0.05753	0.00059	0.32402	353.1	5.7	360.6	3.6	290	44	360.6	3.6	2.1	Core
IOS1657_34	346	2.23	0.36840	0.00750	0.05038	0.00047	0.40208	318.2	5.5	316.8	2.9	317	41	316.8	2.9	0.4	Single Age
IOS1657_35	1510	2.34	0.43000	0.01200	0.05430	0.00065	0.71641	362.3	8.2	340.9	3.9	481	42	DISC	DISC	5.9	Single Age
IOS1657_36	526	2.22	0.36780	0.00840	0.05050	0.00053	0.11232	317.7	6.2	317.6	3.2	313	49	317.6	3.2	0.0	Rim
IOS1657_36	148.6	1.51	0.40100	0.02000	0.05600	0.00170	0.31928	341.0	15.0	351.0	10.0	262	89	351.0	10.0	2.9	Core
IOS1657_37	633	2.63	0.37360	0.00770	0.05033	0.00068	0.24181	322.1	5.7	316.5	4.2	356	46	316.5	4.2	1.7	Rim
IOS1657_37	203	1.87	0.38000	0.00910	0.05265	0.00068	0.29181	326.6	6.7	330.7	4.1	289	52	330.7	4.1	1.3	Core
IOS1657_38	365	2.38	0.36110	0.00710	0.04908	0.00057	0.09341	312.7	5.3	308.9	3.5	328	43	308.9	3.5	1.2	Single Age
IOS1657_39	1564	6.66	0.37970	0.00470	0.05236	0.00054	0.51160	326.6	3.5	329.0	3.3	307	25	329.0	3.3	0.7	Single Age
IOS1657_40	258	2.40	0.36290	0.00730	0.04995	0.00049	0.25320	313.9	5.4	314.2	3.0	299	43	314.2	3.0	0.1	Single Age
IOS1657_42	315	3.81	0.38220	0.00750	0.05296	0.00055	0.32533	328.2	5.5	332.6	3.3	296	43	332.6	3.3	1.3	Single Age

Table A2, con't.

IOS1657_43	319.4	2.45	0.35940	0.00800	0.04887	0.00054	0.41540	311.4	5.9	307.6	3.3	330	45	307.6	3.3	1.2	Single Age
IOS1657_44	550	2.75	0.29300	0.01600	0.03950	0.00130	0.07103	261.0	12.0	249.7	7.9	347	94	249.7	7.9	4.3	Rim
IOS1657_44	526	1.68	0.37500	0.00630	0.05130	0.00058	0.41223	323.0	4.6	322.5	3.5	327	36	322.5	3.5	0.2	Core
IOS1657_45	383	2.66	0.37410	0.00740	0.04986	0.00060	0.24804	322.3	5.5	313.6	3.7	378	40	313.6	3.7	2.7	Single Age
IOS1657_46	172	1.80	0.38790	0.00880	0.05274	0.00057	0.11918	332.1	6.4	331.3	3.5	329	52	331.3	3.5	0.2	Single Age
IOS1657_47	940	3.98	0.38200	0.01100	0.05190	0.00170	0.51739	328.3	8.4	326.0	11.0	347	69	326.0	11.0	0.7	Rim
IOS1657_47	745	20.50	1.86800	0.03200	0.15640	0.00210	0.74257	1069.0	11.0	936.0	11.0	1349	23	DISC	DISC	12.4	Core
IOS1657_48	421	2.65	0.37890	0.00620	0.05180	0.00059	0.40996	325.8	4.6	325.5	3.6	326	36	325.5	3.6	0.1	Single Age
IOS1657_49	325	2.02	0.39320	0.00990	0.05203	0.00074	0.63113	336.0	7.2	326.9	4.5	390	44	326.9	4.5	2.7	Single Age
IOS1657_50	90.8	1.50	0.37300	0.01200	0.05032	0.00063	0.13270	320.2	8.5	316.4	3.8	337	66	316.4	3.8	1.2	Single Age

SAMPLE NAME: IOS1659

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1659_1	1562	2.43	0.34380	0.00580	0.04719	0.00069	0.72843	299.8	4.4	297.2	4.2	329	27	297.2	4.2	0.9	Single Age
IOS1659_2	306.5	1.58	0.36270	0.00950	0.04880	0.00100	0.57055	313.4	7.0	307.1	6.3	357	47	307.1	6.3	2.0	Single Age
IOS1659_3	398	2.24	0.36960	0.00860	0.04948	0.00081	0.45185	318.6	6.3	311.2	5.0	374	45	311.2	5.0	2.3	Single Age
IOS1659_4	322	1.58	0.34890	0.00750	0.04826	0.00066	0.37078	303.3	5.6	303.8	4.1	306	46	303.8	4.1	0.2	Single Age
IOS1659_5	262	1.12	0.35280	0.00820	0.04904	0.00061	0.43789	306.1	6.2	308.6	3.7	296	47	308.6	3.7	0.8	Single Age
IOS1659_6	216	2.34	0.38000	0.01300	0.05080	0.00130	0.61422	326.9	9.7	319.2	8.2	385	57	319.2	8.2	2.4	Single Age
IOS1659_7	243	1.37	0.37260	0.00840	0.04992	0.00074	0.34677	321.7	6.1	314.0	4.6	356	49	314.0	4.6	2.4	Single Age
IOS1659_8	339	2.45	0.36050	0.00790	0.04993	0.00086	0.54540	312.0	5.8	314.0	5.3	313	42	314.0	5.3	0.6	Single Age
IOS1659_9	161	3.10	0.36100	0.01200	0.05051	0.00088	0.39170	311.7	8.7	317.5	5.4	262	60	317.5	5.4	1.9	Single Age
IOS1659_10	1630	7.50	0.33980	0.00560	0.04556	0.00070	0.65482	296.7	4.2	287.1	4.3	382	28	287.1	4.3	3.2	Single Age
IOS1659_11	1470	2.00	0.36220	0.00710	0.05008	0.00087	0.71266	313.4	5.3	315.0	5.4	301	34	315.0	5.4	0.5	Single Age

Table A2, con't.

IOS1659_12	232	1.95	0.36480	0.00880	0.04902	0.00075	0.43152	315.0	6.5	308.4	4.6	363	48	308.4	4.6	2.1	Single Age
IOS1659_13	277	1.46	0.36400	0.00790	0.04954	0.00070	0.28744	315.4	5.7	311.6	4.3	342	49	311.6	4.3	1.2	Single Age
IOS1659_14	295	1.27	0.35520	0.00760	0.04919	0.00069	0.52639	308.0	5.7	309.5	4.2	302	42	309.5	4.2	0.5	Single Age
IOS1659_15	842	3.13	0.35040	0.00690	0.04838	0.00074	0.59371	304.6	5.2	304.5	4.6	304	36	304.5	4.6	0.0	Single Age
IOS1659_16	287	3.47	0.36730	0.00920	0.05028	0.00078	0.49405	316.9	6.8	316.2	4.8	315	47	316.2	4.8	0.2	Single Age
IOS1659_17	335	1.62	0.36820	0.00960	0.05043	0.00097	0.53018	317.4	7.1	317.1	6.0	315	50	317.1	6.0	0.1	Single Age
IOS1659_18	219	1.58	0.35790	0.00910	0.04883	0.00093	0.47305	309.8	6.8	307.3	5.7	321	51	307.3	5.7	0.8	Single Age
IOS1659_19	277.2	3.06	0.35030	0.00880	0.04815	0.00068	0.39724	304.2	6.6	303.1	4.2	303	50	303.1	4.2	0.4	Single Age
IOS1659_20	3620	1.99	0.33560	0.00700	0.04529	0.00079	0.78133	293.6	5.3	285.5	4.9	355	29	285.5	4.9	2.8	Single Age
IOS1659_21	176.9	1.99	0.33830	0.00880	0.04748	0.00074	0.24618	295.1	6.7	298.9	4.6	261	56	298.9	4.6	1.3	Single Age
IOS1659_22	226	1.91	0.35590	0.00950	0.04982	0.00076	0.23772	308.3	7.2	313.3	4.7	278	59	313.3	4.7	1.6	Single Age
IOS1659_23	159	1.28	0.35400	0.01300	0.04816	0.00076	0.27041	306.3	9.5	303.2	4.7	310	72	303.2	4.7	1.0	Rim
IOS1659_23	95	1.31	0.45400	0.04900	0.06240	0.00360	0.27317	378.0	33.0	390.0	22.0	280	210	390.0	22.0	3.2	Core
IOS1659_24	324	1.77	0.36260	0.00760	0.04965	0.00056	0.36130	313.5	5.7	312.4	3.4	311	43	312.4	3.4	0.4	Single Age
IOS1659_25	484	2.72	0.35100	0.00690	0.04884	0.00074	0.46545	305.7	5.3	307.3	4.5	288	41	307.3	4.5	0.5	Single Age
IOS1659_26	178	2.48	0.36500	0.01100	0.04984	0.00096	0.42515	316.1	8.2	313.4	5.9	337	61	313.4	5.9	0.9	Single Age
IOS1659_27	546	2.34	0.36840	0.00800	0.05014	0.00077	0.46210	317.8	5.9	315.9	4.9	329	43	315.9	4.9	0.6	Single Age
IOS1659_28	526	2.60	0.36330	0.00740	0.04942	0.00068	0.55137	314.1	5.5	310.9	4.2	335	39	310.9	4.2	1.0	Single Age
IOS1659_29	316	1.93	0.36160	0.00980	0.04990	0.00110	0.63738	312.6	7.3	314.0	7.0	314	51	314.0	7.0	0.4	Single Age
IOS1659_30	519	8.62	0.39100	0.00820	0.05204	0.00080	0.65603	334.5	6.0	327.0	4.9	385	37	327.0	4.9	2.2	Single Age
IOS1659_31	453	1.38	0.34260	0.00810	0.04715	0.00068	0.38194	299.2	6.3	297.0	4.2	310	50	297.0	4.2	0.7	Single Age
IOS1659_32	616	1.56	0.34570	0.00840	0.04746	0.00078	0.62886	300.8	6.3	298.8	4.8	308	41	298.8	4.8	0.7	Single Age
IOS1659_33	329	1.63	0.35560	0.00750	0.04919	0.00071	0.41032	309.0	5.8	309.5	4.4	301	44	309.5	4.4	0.2	Single Age
IOS1659_34	670	1.63	0.38370	0.00970	0.05242	0.00092	0.56962	329.0	7.1	329.3	5.6	317	46	329.3	5.6	0.1	Single Age
IOS1659_35	1270	3.29	0.34540	0.00610	0.04723	0.00075	0.59708	300.9	4.6	297.4	4.6	323	33	297.4	4.6	1.2	Single Age

Table A2, con't.

IOS1659_36	1106	1.80	0.34780	0.00550	0.04796	0.00058	0.55795	302.8	4.1	302.0	3.6	306	30	302.0	3.6	0.3	Single Age
IOS1659_37	179	1.74	0.35400	0.01000	0.04961	0.00072	0.40349	308.0	8.0	312.1	4.4	270	59	312.1	4.4	1.3	Single Age
IOS1659_38	640	2.22	0.36970	0.00700	0.05068	0.00061	0.39619	318.9	5.2	318.7	3.7	313	40	318.7	3.7	0.1	Single Age
IOS1659_39	1490	2.26	0.35600	0.00620	0.04829	0.00067	0.60813	309.4	4.7	303.9	4.1	338	30	303.9	4.1	1.8	Single Age
IOS1659_40	332	1.94	0.35710	0.00840	0.04958	0.00067	0.37884	309.4	6.3	311.9	4.1	287	48	311.9	4.1	0.8	Single Age
IOS1659_41	432	1.35	0.34540	0.00700	0.04767	0.00058	0.48306	300.7	5.3	300.2	3.6	293	38	300.2	3.6	0.2	Single Age
IOS1659_42	481	3.07	0.36800	0.00650	0.05047	0.00074	0.31454	318.5	5.0	317.3	4.6	315	41	317.3	4.6	0.4	Single Age
IOS1659_43	520	1.38	0.34620	0.00670	0.04732	0.00069	0.53705	301.4	5.0	298.0	4.2	330	39	298.0	4.2	1.1	Single Age
IOS1659_44	335	1.63	0.34990	0.00780	0.04821	0.00064	0.39010	304.1	5.9	303.5	4.0	314	47	303.5	4.0	0.2	Single Age
IOS1659_45	1010	3.56	0.35650	0.00590	0.04864	0.00056	0.39496	309.3	4.4	306.1	3.5	331	36	306.1	3.5	1.0	Single Age
IOS1659_46	289	2.16	0.35700	0.00970	0.04913	0.00072	0.47851	309.1	7.2	309.2	4.4	310	52	309.2	4.4	0.0	Single Age
IOS1659_47	717	3.03	0.36660	0.00820	0.05064	0.00099	0.68039	316.4	6.1	318.3	6.1	304	37	318.3	6.1	0.6	Single Age
IOS1659_48	389	1.77	0.33840	0.00670	0.04736	0.00064	0.50466	295.5	5.1	298.3	4.0	276	39	298.3	4.0	0.9	Single Age
IOS1659_49	273	1.86	0.35600	0.00970	0.04935	0.00077	0.28383	308.5	7.2	310.5	4.8	295	58	310.5	4.8	0.6	Rim
IOS1659_49	395	2.21	0.74900	0.05100	0.09400	0.00560	0.59128	566.0	29.0	579.0	33.0	500	120	579.0	33.0	2.3	Core
IOS1659_50	297	2.18	0.35670	0.00860	0.04985	0.00061	0.41331	309.0	6.4	313.6	3.7	269	47	313.6	3.7	1.5	Single Age
IOS1659_51	263.8	1.61	0.36330	0.00870	0.04910	0.00077	0.42701	314.0	6.5	308.9	4.7	344	47	308.9	4.7	1.6	Single Age
IOS1659_52	328	4.25	0.36830	0.00770	0.04962	0.00070	0.36309	317.8	5.7	312.1	4.3	359	44	312.1	4.3	1.8	Single Age

SAMPLE NAME: IOS1660

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1660_1	335	1.74	0.37800	0.01100	0.05130	0.00110	0.53968	324.9	8.3	322.2	6.9	352	55	322.2	6.9	0.8	Single Age
IOS1660_2	294	1.82	0.36800	0.01200	0.05090	0.00130	0.52457	316.9	8.9	319.6	8.0	301	60	319.6	8.0	0.9	Single Age
IOS1660_3	453	3.73	0.34400	0.01200	0.04750	0.00120	0.11899	299.2	8.7	298.8	7.5	301	55	298.8	7.5	0.1	Single Age

Table A2, con't.

IOS1660_4	108	1.14	0.37000	0.01700	0.04920	0.00150	0.27884	317.0	13.0	309.6	9.0	374	97	309.6	9.0	2.3	Single Age
IOS1660_5	138.4	1.40	0.35900	0.01500	0.04820	0.00100	0.29725	311.0	12.0	303.5	6.3	351	83	303.5	6.3	2.4	Single Age
IOS1660_6	223.7	1.68	0.36500	0.01400	0.04980	0.00120	0.58037	315.0	10.0	313.2	7.2	325	66	313.2	7.2	0.6	Single Age
IOS1660_7	629	1.91	0.36700	0.01000	0.05040	0.00120	0.66569	317.8	7.5	317.1	7.1	319	47	317.1	7.1	0.2	Single Age
IOS1660_8	370	1.23	0.34800	0.01100	0.04870	0.00110	0.49870	302.2	8.2	306.3	6.5	265	59	306.3	6.5	1.4	Rim
IOS1660_8	147.1	1.50	0.59200	0.04600	0.07410	0.00430	0.64058	470.0	29.0	460.0	26.0	572	96	460.0	26.0	2.1	Core
IOS1660_9	252	2.72	0.36110	0.00840	0.04993	0.00092	0.50535	312.3	6.3	314.0	5.7	297	46	314.0	5.7	0.5	Single Age
IOS1660_10	604	3.24	0.37900	0.01900	0.05050	0.00200	0.58666	325.0	14.0	317.0	12.0	368	90	317.0	12.0	2.5	Rim
IOS1660_10	740	3.01	0.66700	0.03200	0.07970	0.00300	0.63495	517.0	19.0	494.0	18.0	630	82	494.0	18.0	4.4	Core
IOS1660_11	288	1.55	0.38700	0.01100	0.05084	0.00094	0.43610	331.0	7.7	319.6	5.8	402	55	319.6	5.8	3.4	Single Age
IOS1660_12	348	1.76	0.36200	0.00850	0.04980	0.00094	0.43152	313.0	6.3	313.2	5.7	321	51	313.2	5.7	0.1	Single Age
IOS1660_13	262.9	1.35	0.35400	0.01100	0.04730	0.00100	0.50545	306.7	7.9	297.7	6.1	365	57	297.7	6.1	2.9	Single Age
IOS1660_14	2351	2.54	0.32880	0.00650	0.04506	0.00083	0.72668	288.3	5.0	284.0	5.1	331	33	284.0	5.1	1.5	Single Age
IOS1660_15	233	2.43	0.27900	0.01300	0.03230	0.00110	0.30343	249.0	10.0	204.8	6.9	670	110	DISC	DISC	17.8	Rim
IOS1660_15	254.5	2.16	0.30300	0.01600	0.03760	0.00100	0.37909	268.0	13.0	237.8	6.5	520	110	DISC	DISC	11.3	Core
IOS1660_16	297	1.30	0.34200	0.01000	0.04835	0.00099	0.39722	297.5	7.9	304.3	6.1	245	61	304.3	6.1	2.3	Single Age
IOS1660_17	1159	47.60	0.03890	0.00370	0.00540	0.00046	0.61158	38.7	3.6	34.7	3.0	260	170	DISC	DISC	10.3	Rim
IOS1660_17	663	1.96	0.34700	0.01000	0.04730	0.00120	0.71054	301.6	7.6	297.7	7.5	336	46	297.7	7.5	1.3	Core
IOS1660_18	250.7	2.03	0.37650	0.00960	0.04864	0.00069	0.38779	323.6	7.1	306.1	4.2	427	54	DISC	DISC	5.4	Single Age
IOS1660_19	203	1.75	0.38000	0.02400	0.05050	0.00220	0.42369	326.0	18.0	318.0	14.0	380	130	318.0	14.0	2.5	Single Age
IOS1660_20	409	2.49	0.36410	0.00820	0.04950	0.00075	0.42353	314.6	6.1	311.4	4.6	347	41	311.4	4.6	1.0	Single Age
IOS1660_21	599	4.46	0.36550	0.00760	0.05033	0.00073	0.39232	316.5	5.4	316.5	4.5	322	43	316.5	4.5	0.0	Single Age
IOS1660_22	255	2.18	0.36020	0.00780	0.04945	0.00074	0.34202	311.8	5.8	311.1	4.5	313	47	311.1	4.5	0.2	Single Age
IOS1660_23	892	2.91	0.37330	0.00770	0.05170	0.00080	0.61679	322.3	5.8	324.9	4.9	294	36	324.9	4.9	0.8	Single Age
IOS1660_24	404	3.63	0.37000	0.01100	0.04921	0.00094	0.52893	320.0	8.4	309.6	5.8	363	58	309.6	5.8	3.3	Rim
IOS1660_24	177.6	3.94	0.55500	0.02700	0.06260	0.00220	0.46869	447.0	17.0	391.0	13.0	741	96	DISC	DISC	12.5	Core
IOS1660_25	210.5	1.15	0.38000	0.01100	0.04981	0.00087	0.39664	326.0	8.2	313.3	5.3	404	60	313.3	5.3	3.9	Single Age

Table A2, con't.

IOS1660_26	245	1.97	0.37000	0.01000	0.04990	0.00100	0.53386	318.5	7.7	313.5	6.4	344	54	313.5	6.4	1.6	Single Age
IOS1660_27	333	3.05	0.26400	0.02000	0.03500	0.00140	0.55170	238.0	16.0	221.7	8.9	350	140	DISC	DISC	6.8	Rim
IOS1660_27	105.3	2.12	0.36300	0.02000	0.04620	0.00160	0.35806	316.0	14.0	290.8	9.5	460	110	DISC	DISC	8.0	Core
IOS1660_28	299	2.03	0.32100	0.00810	0.04406	0.00077	0.42558	282.0	6.2	277.9	4.8	302	52	277.9	4.8	1.5	Single Age
IOS1660_29	441	1.97	0.37000	0.01000	0.04844	0.00088	0.44291	318.9	7.6	304.8	5.4	403	55	304.8	5.4	4.4	Single Age
IOS1660_30	902	10.50	0.38000	0.01900	0.04880	0.00160	0.71293	327.0	14.0	307.0	10.0	430	77	DISC	DISC	6.1	Rim
IOS1660_30	113.6	0.76	0.82700	0.02700	0.09820	0.00230	0.30543	610.0	15.0	604.0	14.0	626	73	604.0	14.0	1.0	Core
IOS1660_31	255	1.73	0.36500	0.01000	0.05043	0.00092	0.45384	314.8	7.6	317.1	5.7	293	56	317.1	5.7	0.7	Single Age
IOS1660_32	415	2.26	0.36960	0.00930	0.04994	0.00088	0.56692	318.5	6.9	314.1	5.4	335	46	314.1	5.4	1.4	Single Age
IOS1660_33	1107	11.71	0.16300	0.01300	0.02220	0.00170	0.75178	153.0	11.0	141.0	11.0	300	130	DISC	DISC	7.8	Rim
IOS1660_33	277	1.79	0.36400	0.01400	0.04970	0.00140	0.53113	314.0	11.0	312.6	8.4	313	68	312.6	8.4	0.4	Core
IOS1660_34	1000	2.27	0.36930	0.00730	0.05060	0.00068	0.63115	318.6	5.4	318.1	4.2	306	33	318.1	4.2	0.2	Single Age
IOS1660_35	782	3.60	0.37110	0.00840	0.05100	0.00080	0.65013	319.9	6.2	320.6	4.9	290	38	320.6	4.9	0.2	Single Age
IOS1660_36	1870	3.19	0.34540	0.00930	0.04740	0.00110	0.68740	300.5	7.0	298.5	6.7	317	45	298.5	6.7	0.7	Single Age
IOS1660_37	516	1.59	0.37000	0.00950	0.04990	0.00094	0.40801	319.0	7.0	313.8	5.8	355	56	313.8	5.8	1.6	Single Age
IOS1660_38	1430	2.50	0.34140	0.00870	0.04660	0.00100	0.73517	297.6	6.5	293.4	6.4	332	41	293.4	6.4	1.4	Single Age
IOS1660_39	2220	49.00	0.03060	0.00430	0.00442	0.00046	0.61877	30.6	4.2	28.4	2.9	160	210	DISC	DISC	7.2	Rim
IOS1660_39	450	1.36	0.35980	0.00820	0.04931	0.00082	0.46770	311.5	6.1	310.2	5.0	300	49	310.2	5.0	0.4	Core
IOS1660_40	178	1.56	0.36900	0.01200	0.04997	0.00073	0.25935	317.3	8.8	314.3	4.5	317	66	314.3	4.5	0.9	Single Age
IOS1660_41	382	1.67	0.73300	0.01800	0.08620	0.00140	0.44851	557.0	11.0	533.1	8.4	640	49	533.1	8.4	4.3	Single Age
IOS1660_42	192	2.48	0.31600	0.01400	0.04060	0.00100	0.38374	277.0	10.0	256.2	6.4	454	84	DISC	DISC	7.5	Single Age
IOS1660_43	118.3	2.19	0.38500	0.01500	0.05140	0.00110	0.33831	329.0	11.0	322.9	6.4	347	77	322.9	6.4	1.9	Single Age
IOS1660_44	234	1.47	0.37100	0.01200	0.05003	0.00096	0.38880	318.9	9.1	314.6	5.9	349	70	314.6	5.9	1.3	Single Age
IOS1660_45	240	1.69	0.37000	0.01300	0.05050	0.00120	0.49536	319.5	9.9	317.4	7.4	321	69	317.4	7.4	0.7	Single Age
IOS1660_46	590	2.24	0.37340	0.00950	0.05060	0.00110	0.50549	321.4	7.0	317.9	6.9	347	51	317.9	6.9	1.1	Single Age
IOS1660_47	378	1.73	0.37000	0.01200	0.04990	0.00100	0.02567	315.8	6.9	313.8	6.1	312	46	313.8	6.1	0.6	Single Age

Table A2, con't.

IOS1660_48	344	4.86	0.36400	0.01100	0.04923	0.00092	0.41704	314.4	8.0	309.8	5.7	334	60	309.8	5.7	1.5	Single Age
IOS1660_49	101	1.45	0.37100	0.01600	0.04960	0.00110	0.27739	320.0	12.0	312.2	6.9	353	87	312.2	6.9	2.4	Single Age
IOS1660_50	359	1.82	0.37600	0.01500	0.04920	0.00090	0.29440	322.0	11.0	309.6	5.5	382	80	309.6	5.5	3.9	Single Age
IOS1660_51	157.5	2.25	0.37900	0.01100	0.04804	0.00076	0.34154	325.9	8.0	302.4	4.6	465	59	DISC	DISC	7.2	Single Age
IOS1660_52	1070	3.01	0.37740	0.00840	0.04888	0.00087	0.61262	324.4	6.2	307.6	5.3	422	36	DISC	DISC	5.2	Single Age
IOS1660_53	167	1.72	0.57900	0.02100	0.04993	0.00081	0.30383	462.0	14.0	314.0	5.0	1240	71	DISC	DISC	32.0	Single Age
IOS1660_54	414	3.44	0.36090	0.00770	0.04853	0.00068	0.44938	312.4	5.7	305.4	4.2	354	44	305.4	4.2	2.2	Single Age
IOS1660_55	427	1.94	0.35700	0.01100	0.04870	0.00130	0.50545	309.4	8.3	306.3	7.8	340	68	306.3	7.8	1.0	Rim
IOS1660_55	113.9	1.38	0.74300	0.04800	0.08980	0.00480	0.62221	562.0	28.0	554.0	28.0	590	110	554.0	28.0	1.4	Core
IOS1660_56	240	1.87	0.38060	0.00970	0.04983	0.00074	0.43286	327.4	7.0	313.4	4.5	390	51	313.4	4.5	4.3	Single Age
IOS1660_57	152.3	2.40	0.41000	0.01400	0.05000	0.00150	0.48774	347.0	10.0	314.1	9.0	565	70	DISC	DISC	9.5	Single Age
IOS1660_58	318	1.68	0.35750	0.00910	0.04838	0.00068	0.53294	309.6	6.8	304.6	4.2	334	49	304.6	4.2	1.6	Single Age
IOS1660_59	175	2.14	0.36000	0.01200	0.04970	0.00100	0.37760	313.5	8.7	312.5	6.1	296	65	312.5	6.1	0.3	Single Age
IOS1660_60	446	3.74	0.36400	0.01300	0.04830	0.00120	0.17914	314.4	9.3	303.7	7.4	388	83	303.7	7.4	3.4	Single Age

SAMPLE NAME: IOS1662

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1662-1	318.4	1.62	0.36900	0.01100	0.05050	0.00110	0.64339	318.0	8.2	317.7	6.7	307	50	317.7	6.7	0.1	Single Age
IOS1662-2	254	1.90	0.36300	0.01200	0.05007	0.00092	0.48981	313.4	8.7	314.8	5.7	300	60	314.8	5.7	0.4	Single Age
IOS1662-3	305	1.82	0.35300	0.00840	0.04933	0.00061	0.30774	306.3	6.3	310.4	3.8	273	50	310.4	3.8	1.3	Single Age
IOS1662-4	187.6	1.65	0.37300	0.01400	0.05070	0.00140	0.39427	321.0	10.0	318.6	8.6	328	77	318.6	8.6	0.7	Single Age
IOS1662-5	357	1.79	0.36670	0.00980	0.05060	0.00077	0.49076	316.2	7.2	318.1	4.7	295	51	318.1	4.7	0.6	Single Age
IOS1662-6	544	2.70	0.35600	0.01700	0.04670	0.00160	0.62996	309.0	12.0	294.0	9.8	426	87	294.0	9.8	4.9	Single Age
IOS1662-7	254	1.33	0.36200	0.01100	0.05019	0.00091	0.32320	312.9	8.1	315.6	5.6	288	62	315.6	5.6	0.9	Single Age

Table A2, con't.

IOS1662-8	195.1	1.97	0.52800	0.03000	0.05210	0.00100	0.23095	425.0	19.0	327.1	6.1	920	110	DISC	DISC	23.0	Single Age
IOS1662-9	906	4.46	0.41600	0.02000	0.04196	0.00077	0.66479	350.0	13.0	264.9	4.8	942	75	DISC	DISC	24.3	Single Age
IOS1662-10	1151	3.41	0.36870	0.00780	0.05010	0.00091	0.65464	318.3	5.7	315.1	5.6	339	38	315.1	5.6	1.0	Single Age
IOS1662-11	628	2.23	0.36550	0.00820	0.05085	0.00085	0.52323	316.5	6.3	319.7	5.2	291	43	319.7	5.2	1.0	Single Age
IOS1662-12	430	1.63	0.36680	0.00910	0.05078	0.00089	0.55319	317.5	7.0	320.0	5.6	302	48	320.0	5.6	0.8	Single Age
IOS1662-13	461	5.50	0.39400	0.01300	0.04929	0.00082	0.48887	335.8	9.1	310.1	5.0	499	60	DISC	DISC	7.7	Single Age
IOS1662-14	331.1	1.33	0.36050	0.00880	0.04874	0.00074	0.32914	311.9	6.5	306.7	4.6	345	51	306.7	4.6	1.7	Single Age
IOS1662-15	164	1.85	0.35600	0.02500	0.05080	0.00160	0.17128	308.0	18.0	320.0	10.0	200	140	320.0	10.0	3.9	Rim
IOS1662-15	61.5	2.07	0.62600	0.04400	0.07920	0.00370	0.45736	490.0	27.0	491.0	22.0	470	140	491.0	22.0	0.2	Rim
IOS1662-15	22.07	8.50	0.87100	0.05800	0.10380	0.00390	0.12085	632.0	31.0	636.0	23.0	600	150	636.0	23.0	0.6	Core
IOS1662-16	248.7	1.92	0.36500	0.01100	0.05010	0.00100	0.50539	315.2	8.0	315.1	6.2	311	56	315.1	6.2	0.0	Single Age
IOS1662-17	745	2.96	0.37270	0.00800	0.04969	0.00094	0.64835	321.8	6.0	312.5	5.7	387	37	312.5	5.7	2.9	Single Age
IOS1662-18	271	2.77	0.37100	0.01000	0.04988	0.00096	0.51068	319.4	7.5	313.7	5.9	342	52	313.7	5.9	1.8	Single Age
IOS1662-19	320	2.11	0.37400	0.01000	0.04990	0.00089	0.48378	321.6	7.4	313.8	5.5	362	53	313.8	5.5	2.4	Single Age
IOS1662-20	196.4	1.58	0.39900	0.02900	0.05340	0.00290	0.17990	340.0	21.0	335.0	18.0	360	160	335.0	18.0	1.5	Rim
IOS1662-20	462	2.27	4.17000	0.13000	0.25360	0.00770	0.77876	1663.0	25.0	1455.0	39.0	1945	36	DISC	DISC	25.2	Core
IOS1662-21	163	12.10	0.31800	0.01400	0.04560	0.00100	0.12214	279.0	11.0	287.4	6.3	231	95	287.4	6.3	3.0	Single Age
IOS1662-22	278	1.69	0.36200	0.01000	0.04916	0.00085	0.45649	312.7	7.7	309.3	5.2	326	55	309.3	5.2	1.1	Single Age
IOS1662-23	377	2.85	0.35620	0.00880	0.05028	0.00078	0.44347	308.6	6.6	316.2	4.8	250	48	316.2	4.8	2.5	Single Age
IOS1662-24	278	2.23	0.36600	0.01600	0.04970	0.00150	0.42528	316.0	12.0	312.6	9.3	332	89	312.6	9.3	1.1	Rim
IOS1662-24	465	5.69	1.30900	0.05200	0.13590	0.00420	0.77442	848.0	23.0	821.0	24.0	922	52	821.0	24.0	3.2	Core
IOS1662-25	533	4.12	0.36500	0.02400	0.04870	0.00320	0.48867	315.0	18.0	306.0	20.0	380	140	306.0	20.0	2.9	Rim
IOS1662-25	668	4.79	0.75300	0.01800	0.09100	0.00180	0.60159	569.0	10.0	561.0	11.0	595	43	561.0	11.0	1.4	Core
IOS1662-26	168.6	3.73	0.37300	0.01300	0.05060	0.00110	0.46074	321.0	10.0	318.1	6.7	330	67	318.1	6.7	0.9	Single Age
IOS1662-27	271	1.46	0.36200	0.01000	0.04948	0.00074	0.28461	312.9	7.8	311.3	4.5	325	62	311.3	4.5	0.5	Single Age
IOS1662-28	923	1.79	0.36260	0.00720	0.04974	0.00071	0.67021	314.2	5.5	312.9	4.4	319	34	312.9	4.4	0.4	Single Age
IOS1662-29	1078	4.06	0.36670	0.00780	0.05055	0.00099	0.70389	316.6	5.8	317.8	6.1	305	36	317.8	6.1	0.4	Single Age

Table A2, con't.

IOS1662-30	405	1.33	0.36440	0.00890	0.05039	0.00080	0.47669	314.7	6.6	316.8	4.9	297	48	316.8	4.9	0.7	Single Age
IOS1662-31	242	1.51	0.36400	0.01000	0.05002	0.00084	0.36980	315.9	8.2	314.6	5.2	318	59	314.6	5.2	0.4	Single Age
IOS1662-32	528	1.61	0.36600	0.01200	0.05120	0.00091	0.31737	317.1	8.8	321.8	5.6	274	65	321.8	5.6	1.5	Single Age
IOS1662-33	411	4.30	0.38300	0.01600	0.05280	0.00120	0.37141	328.0	12.0	331.7	7.4	295	86	331.7	7.4	1.1	Rim
IOS1662-33	594	4.59	0.75200	0.03000	0.09140	0.00340	0.80797	568.0	17.0	564.0	20.0	572	52	564.0	20.0	0.7	Core
IOS1662-34	544	2.81	0.38470	0.00990	0.05196	0.00091	0.40003	329.6	7.2	326.5	5.6	345	52	326.5	5.6	0.9	Single Age
IOS1662-35	1426	28.30	0.33510	0.00650	0.04539	0.00061	0.53786	293.0	5.0	286.1	3.8	338	36	286.1	3.8	2.4	Single Age
IOS1662-36	397	1.57	0.36300	0.01000	0.05030	0.00110	0.54984	313.5	7.5	316.0	6.8	294	53	316.0	6.8	0.8	Single Age
IOS1662-37	465	1.74	0.40000	0.02200	0.05170	0.00150	0.40107	340.0	16.0	324.8	9.1	420	110	324.8	9.1	4.5	Rim
IOS1662-37	327	2.16	0.99600	0.03900	0.06170	0.00200	0.63115	698.0	20.0	386.0	12.0	1899	55	DISC	DISC	44.7	Core
IOS1662-38	394	1.94	0.36120	0.00850	0.05027	0.00092	0.47763	312.4	6.4	316.1	5.6	291	48	316.1	5.6	1.2	Single Age
IOS1662-39	1120	3.31	0.41200	0.01600	0.05280	0.00130	0.56334	349.0	11.0	331.8	8.1	464	64	331.8	8.1	4.9	Single Age
IOS1662-40	297	2.03	0.37100	0.01000	0.04983	0.00084	0.30938	319.6	7.7	313.4	5.2	355	59	313.4	5.2	1.9	Single Age
IOS1662-41	557	1.58	0.38200	0.01100	0.05170	0.00110	0.54157	328.1	8.2	325.0	6.6	343	54	325.0	6.6	0.9	Single Age
IOS1662-42	614	2.12	0.38700	0.01000	0.05268	0.00082	0.35953	330.9	7.3	330.9	5.0	336	54	330.9	5.0	0.0	Single Age
IOS1662-43	298.5	2.27	0.36300	0.01100	0.05043	0.00082	0.18200	313.4	7.8	317.1	5.0	273	64	317.1	5.0	1.2	Single Age
IOS1662-44	541	2.01	0.36760	0.00910	0.05077	0.00077	0.40678	317.1	6.8	319.2	4.7	300	52	319.2	4.7	0.7	Single Age
IOS1662-45	717	1.42	0.37350	0.00850	0.05017	0.00078	0.46094	321.6	6.3	315.5	4.8	359	46	315.5	4.8	1.9	Rim
IOS1662-45	1440	5.48	0.71300	0.03800	0.08000	0.00330	0.67083	546.0	23.0	496.0	20.0	761	87	DISC	DISC	9.2	Core
IOS1662-46	633	16.70	0.35930	0.00870	0.04884	0.00080	0.36347	311.1	6.5	307.3	4.9	333	52	307.3	4.9	1.2	Single Age
IOS1662-47	419	1.71	0.36800	0.01100	0.05019	0.00085	0.42531	317.4	8.0	315.6	5.2	321	58	315.6	5.2	0.6	Single Age
IOS1662-48	540	2.43	0.36100	0.01100	0.04790	0.00100	0.43342	313.2	8.9	301.6	6.2	387	65	301.6	6.2	3.7	Rim
IOS1662-48	443	4.10	3.35000	0.17000	0.17810	0.00770	0.68152	1490.0	40.0	1056.0	42.0	2183	67	DISC	DISC	29.1	Core
IOS1662-49	729	4.89	0.36130	0.00830	0.04990	0.00073	0.54145	313.3	6.0	313.9	4.5	303	45	313.9	4.5	0.2	Single Age
IOS1662-50	495	1.78	0.37400	0.01000	0.04928	0.00091	0.38182	321.7	7.6	310.0	5.6	409	58	310.0	5.6	3.6	Single Age

Table A2, con't.

SAMPLE NAME: IOS1667 GRAIN #	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age (Ma)	2σ error	206/238 Age (Ma)	2σ error	207/206 Age (Ma)	2σ error	Best Age (Ma)	2σ error	% Discor-dance	Rim/Core
IOS1667_1	348	3.19	0.37340	0.00940	0.04960	0.00073	0.40834	321.3	6.9	312.0	4.5	360	50	312.0	4.5	2.9	Single Age
IOS1667_2	607	3.49	0.38200	0.00800	0.05186	0.00079	0.59252	327.9	5.8	325.9	4.8	314	38	325.9	4.8	0.6	Single Age
IOS1667_3	505	3.37	0.40600	0.01100	0.05101	0.00083	0.60592	345.1	7.6	320.6	5.1	481	44	DISC	DISC	7.1	Single Age
IOS1667_4	113	5.07	0.26000	0.01300	0.02363	0.00071	0.32191	234.0	11.0	150.5	4.5	1100	100	DISC	DISC	35.7	Single Age
IOS1667_5	1591	2.01	0.39050	0.00800	0.05149	0.00080	0.67390	334.1	5.8	323.6	4.9	383	35	323.6	4.9	3.1	Single Age
IOS1667_6	192.3	1.77	0.39700	0.01200	0.05410	0.00100	0.53241	339.2	9.2	339.6	6.3	308	58	339.6	6.3	0.1	Single Age
IOS1667_7	960	1.81	0.37410	0.00560	0.05114	0.00059	0.34321	322.4	4.1	321.5	3.6	308	37	321.5	3.6	0.3	Single Age
IOS1667_8	200	1.67	0.39670	0.00990	0.05305	0.00067	0.05846	338.3	7.2	333.2	4.1	346	58	333.2	4.1	1.5	Single Age
IOS1667_9	293	1.92	0.38800	0.00950	0.05022	0.00070	0.41990	332.0	7.0	315.8	4.3	411	49	315.8	4.3	4.9	Single Age
IOS1667_10	818	3.36	0.37710	0.00840	0.05002	0.00072	0.59228	324.5	6.2	314.6	4.4	362	40	314.6	4.4	3.1	Single Age
IOS1667_11	735	2.09	0.35030	0.00740	0.04971	0.00076	0.50709	304.6	5.6	312.7	4.6	227	40	312.7	4.6	2.7	Single Age
IOS1667_12	310	1.46	0.38100	0.01100	0.04449	0.00062	0.28542	326.9	8.2	280.5	3.8	632	58	DISC	DISC	14.2	Single Age
IOS1667_13	365	3.11	0.32200	0.01100	0.04400	0.00110	0.52567	282.8	8.8	277.7	6.5	298	67	277.7	6.5	1.8	Single Age
IOS1667_14	427	2.62	0.35070	0.00800	0.04823	0.00065	0.33569	304.6	6.0	303.6	4.0	288	48	303.6	4.0	0.3	Single Age
IOS1667_15	459	1.29	0.37510	0.00930	0.05002	0.00078	0.44275	322.8	6.8	314.6	4.8	362	50	314.6	4.8	2.5	Single Age
IOS1667_16	418	1.45	0.40100	0.01300	0.05213	0.00084	0.50133	341.0	9.3	328.3	5.3	395	61	328.3	5.3	3.7	Single Age
IOS1667_17	1211	3.97	0.24240	0.00790	0.03278	0.00074	0.50927	219.9	6.3	207.9	4.6	339	51	DISC	DISC	5.5	Single Age
IOS1667_18	296.3	2.12	0.32540	0.00990	0.04381	0.00087	0.40584	286.6	7.9	276.4	5.3	354	65	276.4	5.3	3.6	Single Age
IOS1667_19	148	1.42	0.06730	0.00490	0.01000	0.00030	0.03837	65.8	4.6	64.1	1.9	170	140	64.1	1.9	2.6	Single Age
IOS1667_20	325.5	2.70	0.55400	0.01300	0.06870	0.00160	0.47758	446.8	8.5	428.1	9.7	524	55	428.1	9.7	4.2	Single Age
IOS1667_21	619	1.58	0.37330	0.00720	0.05002	0.00069	0.49922	321.6	5.3	314.6	4.2	370	40	314.6	4.2	2.2	Single Age

Table A2, con't.

IOS1667_22	234.3	2.34	0.38400	0.01300	0.04920	0.00120	0.36844	328.6	9.6	309.2	7.1	480	76	DISC	DISC	5.9	Single Age
IOS1667_23	305	2.53	0.39950	0.00890	0.05233	0.00077	0.33431	340.5	6.4	328.7	4.7	405	48	328.7	4.7	3.5	Single Age
IOS1667_24	331.5	1.59	0.44900	0.01200	0.05307	0.00099	0.47258	375.8	8.8	333.3	6.0	621	58	DISC	DISC	11.3	Single Age
IOS1667_25	200	3.35	0.39800	0.01100	0.05210	0.00072	0.40411	339.4	7.9	327.3	4.4	408	54	327.3	4.4	3.6	Single Age
IOS1667_26	529	1.83	0.43300	0.01300	0.05500	0.00110	0.65336	365.0	9.8	345.3	6.7	476	52	DISC	DISC	5.4	Single Age
IOS1667_27	305	1.56	0.39000	0.01000	0.05310	0.00110	0.49244	333.1	7.6	335.0	6.5	331	54	335.0	6.5	0.6	Single Age
IOS1667_28	595	2.54	0.31410	0.00720	0.04182	0.00065	0.60690	276.8	5.6	264.0	4.0	365	39	264.0	4.0	4.6	Single Age
IOS1667_29	431.1	1.48	0.59800	0.01700	0.06550	0.00150	0.43143	475.0	11.0	409.0	9.2	805	58	DISC	DISC	13.9	Single Age
IOS1667_30	464	1.69	0.39700	0.01100	0.05493	0.00086	0.05529	338.2	7.7	344.7	5.2	299	51	344.7	5.2	1.9	Single Age
IOS1667_31	287	1.51	0.37300	0.01100	0.05090	0.00098	0.58928	320.9	8.0	320.0	6.0	319	53	320.0	6.0	0.3	Single Age
IOS1667_32	922	3.61	0.32500	0.01300	0.04410	0.00110	0.60187	286.0	10.0	278.0	6.6	344	72	278.0	6.6	2.8	Single Age
IOS1667_33	822	2.60	0.39820	0.00910	0.05420	0.00100	0.54670	339.5	6.6	340.4	6.1	338	44	340.4	6.1	0.3	Single Age
IOS1667_34	313	2.03	0.40000	0.01100	0.05393	0.00093	0.45338	340.4	8.2	338.5	5.7	341	55	338.5	5.7	0.6	Single Age
IOS1667_35	430	2.52	0.44100	0.01100	0.06000	0.00120	0.50602	369.6	7.6	375.6	7.2	338	50	375.6	7.2	1.6	Single Age
IOS1667_36	423	2.00	0.36870	0.00890	0.04960	0.00075	0.45299	317.9	6.6	312.0	4.6	344	48	312.0	4.6	1.9	Single Age
IOS1667_37	77.1	2.27	0.44300	0.01700	0.05366	0.00096	0.11016	370.0	12.0	336.8	5.9	560	85	DISC	DISC	9.0	Single Age
IOS1667_38	623	2.52	0.32600	0.01000	0.04620	0.00130	0.56958	285.7	7.8	290.9	8.1	241	58	290.9	8.1	1.8	Single Age
IOS1667_39	2881	9.15	0.23100	0.00630	0.02496	0.00071	0.74492	210.6	5.1	158.9	4.5	834	41	DISC	DISC	24.5	Single Age
IOS1667_40	280	2.51	0.39100	0.00890	0.05404	0.00079	0.36109	334.3	6.5	339.2	4.8	292	48	339.2	4.8	1.5	Single Age
IOS1667_41	127.9	2.04	0.37900	0.01500	0.05267	0.00080	0.37405	325.0	11.0	330.8	4.9	280	80	330.8	4.9	1.8	Single Age
IOS1667_42	517	122.00	0.39600	0.01600	0.05460	0.00170	0.23976	338.0	11.0	343.0	10.0	312	89	343.0	10.0	1.5	Rim
IOS1667_42	386.8	0.83	1.28700	0.03500	0.13890	0.00340	0.76312	839.0	16.0	838.0	19.0	837	43	838.0	19.0	0.1	Core
IOS1667_43	288	1.75	0.38970	0.00850	0.05305	0.00078	0.41057	333.4	6.2	333.1	4.8	336	45	333.1	4.8	0.1	Single Age
IOS1667_44	870	4.22	0.41800	0.01800	0.05090	0.00190	0.67793	353.0	12.0	320.0	11.0	573	65	DISC	DISC	9.3	Single Age
IOS1667_45	328	1.54	0.37080	0.00830	0.05001	0.00074	0.30824	319.6	6.2	314.5	4.5	356	50	314.5	4.5	1.6	Single Age

Table A2, con't.

IOS1667_46	591	2.13	0.39100	0.01500	0.05300	0.00160	0.62525	334.0	11.0	332.7	9.8	320	69	332.7	9.8	0.4	Single Age
IOS1667_47	920	2.08	0.37700	0.00750	0.05167	0.00075	0.46959	325.1	5.7	324.7	4.6	335	40	324.7	4.6	0.1	Single Age
IOS1667_48	1235	6.56	0.39700	0.01000	0.04997	0.00088	0.40599	338.5	7.3	314.3	5.4	513	53	DISC	DISC	7.1	Single Age
IOS1667_49	414	1.49	0.39600	0.02400	0.05480	0.00120	0.71746	330.0	10.0	344.0	7.2	242	55	344.0	7.2	4.2	Single Age
IOS1667_50	281	1.33	0.36120	0.00910	0.05205	0.00069	0.35284	313.2	6.9	327.0	4.2	213	51	327.0	4.2	4.4	Single Age
IOS1667_51	350	2.20	0.33210	0.00770	0.04376	0.00053	0.23706	290.6	5.8	276.1	3.3	404	51	276.1	3.3	5.0	Single Age

SAMPLE NAME: IOS1668

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1668_1	380	2.14	0.37990	0.00790	0.05202	0.00058	0.34246	326.3	5.8	326.9	3.6	317	43	326.9	3.6	0.2	Single Age
IOS1668_2	510	6.41	0.38430	0.00760	0.05230	0.00071	0.37983	330.3	5.7	328.5	4.3	336	43	328.5	4.3	0.5	Single Age
IOS1668_3	381	2.12	0.41300	0.01300	0.05591	0.00090	0.34873	349.8	9.1	350.6	5.5	328	61	350.6	5.5	0.2	Single Age
IOS1668_4	553	2.05	0.38190	0.00940	0.04249	0.00059	0.41977	327.8	6.9	268.2	3.7	768	49	DISC	DISC	18.2	Single Age
IOS1668_5	158	2.45	0.36800	0.01200	0.05170	0.00089	0.32149	316.6	8.8	324.8	5.5	253	64	324.8	5.5	2.6	Single Age
IOS1668_6	679	2.33	0.41000	0.01200	0.05440	0.00110	0.59064	347.7	8.8	341.6	6.7	384	53	341.6	6.7	1.8	Single Age
IOS1668_7	215	1.73	0.36800	0.01600	0.05160	0.00140	0.24558	317.0	12.0	324.5	8.5	267	92	324.5	8.5	2.4	Single Age
IOS1668_8	1660	2.05	0.37680	0.00710	0.05139	0.00093	0.56033	324.2	5.2	323.0	5.7	326	36	323.0	5.7	0.4	Single Age
IOS1668_9	157	1.80	0.38500	0.01100	0.05173	0.00081	0.19219	329.7	8.4	325.1	5.0	354	63	325.1	5.0	1.4	Single Age
IOS1668_10	394	3.15	0.41560	0.00770	0.05456	0.00051	0.31345	352.3	5.6	342.5	3.1	417	41	342.5	3.1	2.8	Single Age
IOS1668_11	336	1.43	0.38500	0.01000	0.05268	0.00083	0.40543	329.5	7.5	330.9	5.1	308	52	330.9	5.1	0.4	Single Age
IOS1668_12	1102	2.73	0.38530	0.00820	0.05115	0.00082	0.50195	330.3	6.0	321.5	5.0	384	42	321.5	5.0	2.7	Single Age
IOS1668_13	720	2.22	0.42000	0.00960	0.05630	0.00100	0.55220	355.2	6.8	353.1	6.3	370	44	353.1	6.3	0.6	Single Age

Table A2, con't.

IOS1668_14	199	1.92	0.40800	0.01400	0.05610	0.00100	0.16385	346.0	10.0	351.9	6.1	308	74	351.9	6.1	1.7	Single Age
IOS1668_15	810	1.88	0.41400	0.01300	0.05373	0.00078	0.24322	350.2	9.3	337.3	4.8	412	61	337.3	4.8	3.7	Single Age
IOS1668_16	593	2.46	0.40560	0.00840	0.05400	0.00100	0.72067	345.1	6.1	338.8	6.1	387	34	338.8	6.1	1.8	Single Age
IOS1668_17	1010	8.18	0.42500	0.01000	0.05590	0.00110	0.60732	359.1	7.4	350.6	6.6	411	45	350.6	6.6	2.4	Single Age
IOS1668_18	190.9	2.22	0.45600	0.02400	0.05290	0.00077	0.40921	384.0	17.0	332.2	4.7	646	91	DISC	DISC	13.5	Single Age
IOS1668_19	495	1.48	0.37790	0.00830	0.05165	0.00063	0.43922	324.8	6.1	324.6	3.9	313	43	324.6	3.9	0.1	Single Age
IOS1668_20	1010	1.77	0.40650	0.00790	0.05512	0.00067	0.55124	345.8	5.7	345.8	4.1	343	37	345.8	4.1	0.0	Single Age
IOS1668_21	223.2	1.29	0.39700	0.01100	0.05260	0.00080	0.37564	338.7	8.1	330.4	4.9	379	57	330.4	4.9	2.5	Single Age
IOS1668_22	226	1.24	0.38160	0.00970	0.05289	0.00085	0.31795	327.2	7.1	332.2	5.2	292	53	332.2	5.2	1.5	Single Age
IOS1668_23	3000	3.07	0.36720	0.00450	0.05085	0.00062	0.70250	317.4	3.3	319.7	3.8	297	22	319.7	3.8	0.7	Single Age
IOS1668_24	631	1.52	0.40160	0.00700	0.05332	0.00075	0.42733	343.0	4.9	334.8	4.6	382	38	334.8	4.6	2.4	Single Age
IOS1668_25	196	1.80	0.38900	0.01200	0.05235	0.00080	0.22690	332.3	9.0	328.9	4.9	344	66	328.9	4.9	1.0	Single Age
IOS1668_26	210.1	1.63	0.39800	0.01000	0.05384	0.00084	0.38647	339.5	7.5	338.0	5.1	338	54	338.0	5.1	0.4	Single Age
IOS1668_27	367.2	2.64	0.40700	0.01300	0.05070	0.00150	0.45865	345.4	9.5	318.5	9.1	538	62	DISC	DISC	7.8	Single Age
IOS1668_28	990	2.87	0.43400	0.01500	0.05209	0.00089	0.23558	364.0	10.0	327.2	5.5	597	71	DISC	DISC	10.1	Single Age
IOS1668_29	860	1.55	0.42800	0.00870	0.05312	0.00076	0.41082	361.1	6.2	333.6	4.6	540	44	DISC	DISC	7.6	Single Age
IOS1668_30	680	1.33	0.40500	0.01000	0.05353	0.00088	0.36863	345.6	7.7	336.1	5.4	395	54	336.1	5.4	2.7	Single Age
IOS1668_31	827	3.57	0.36200	0.01300	0.04690	0.00160	0.47443	313.1	9.6	296.0	10.0	429	79	DISC	DISC	5.5	Single Age
IOS1668_32	347	1.36	0.39890	0.00930	0.05357	0.00079	0.39619	340.0	6.7	336.3	4.9	349	47	336.3	4.9	1.1	Single Age
IOS1668_33	321	1.37	0.37770	0.00940	0.05283	0.00072	0.32089	324.5	6.9	331.8	4.4	269	53	331.8	4.4	2.2	Single Age
IOS1668_34	1178	4.61	0.36190	0.00700	0.05020	0.00078	0.61481	313.3	5.2	315.7	4.8	277	35	315.7	4.8	0.8	Single Age
IOS1668_35	162.5	1.72	0.38700	0.01100	0.05169	0.00079	0.25196	331.3	8.0	324.8	4.8	358	60	324.8	4.8	2.0	Single Age
IOS1668_36	222	2.23	0.39500	0.00910	0.05519	0.00069	0.28334	337.3	6.6	346.2	4.2	274	51	346.2	4.2	2.6	Single Age
IOS1668_37	447	1.91	0.40300	0.00950	0.05610	0.00087	0.33832	343.0	6.8	351.8	5.3	272	51	351.8	5.3	2.6	Single Age
IOS1668_38	589	1.25	0.39210	0.00870	0.05356	0.00077	0.40748	335.2	6.3	336.3	4.7	321	45	336.3	4.7	0.3	Single Age

Table A2, con't.

IOS1668_39	562	2.42	0.38430	0.00660	0.05480	0.00068	0.49867	329.7	4.8	343.9	4.1	221	34	343.9	4.1	4.3	Single Age
IOS1668_40	507	3.52	0.45600	0.01300	0.06004	0.00099	0.53597	380.0	9.1	375.8	6.0	381	54	375.8	6.0	1.1	Single Age
IOS1668_41	450	2.37	0.40230	0.00930	0.05541	0.00079	0.34661	343.4	6.9	347.6	4.8	293	49	347.6	4.8	1.2	Single Age
IOS1668_42	218	1.43	0.43100	0.01600	0.05350	0.00180	0.41530	363.0	12.0	336.0	11.0	524	87	DISC	DISC	7.4	Single Age
IOS1668_43	444	1.82	0.40020	0.00890	0.05434	0.00083	0.54501	341.0	6.4	341.0	5.1	308	40	341.0	5.1	0.0	Single Age
IOS1668_44	1359	2.94	0.39210	0.00640	0.05294	0.00078	0.51973	335.5	4.7	332.5	4.8	327	34	332.5	4.8	0.9	Single Age
IOS1668_45	263	2.64	0.38120	0.00950	0.05286	0.00073	0.50927	327.0	6.9	332.0	4.5	274	47	332.0	4.5	1.5	Single Age
IOS1668_46	628	2.88	0.39790	0.00970	0.05550	0.00120	0.50855	339.5	7.1	348.2	7.3	262	49	348.2	7.3	2.6	Single Age
IOS1668_47	473	1.75	0.37580	0.00820	0.05270	0.00087	0.50867	323.4	6.0	331.0	5.3	263	44	331.0	5.3	2.4	Single Age
IOS1668_48	345	1.57	0.39090	0.00810	0.05348	0.00063	0.37165	335.1	6.1	335.8	3.9	293	45	335.8	3.9	0.2	Single Age
IOS1668_49	1570	3.73	0.39370	0.00780	0.05495	0.00097	0.60978	337.2	5.8	344.8	5.9	269	37	344.8	5.9	2.3	Single Age
IOS1668_50	307	3.40	0.39100	0.01100	0.05365	0.00097	0.33291	334.0	8.0	336.8	5.9	294	59	336.8	5.9	0.8	Single Age

SAMPLE NAME: IOS11669

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1669_1	566	2.60	0.37300	0.00600	0.05128	0.00048	0.53094	322.2	4.6	322.4	3.0	316	31	322.4	3.0	0.1	Single Age
IOS1669_2	303	1.44	0.37750	0.00770	0.05306	0.00059	0.25431	324.6	5.6	333.3	3.6	272	45	333.3	3.6	2.7	Single Age
IOS1669_3	568	1.69	0.36860	0.00610	0.05047	0.00047	0.37223	318.3	4.5	317.4	2.9	330	32	317.4	2.9	0.3	Single Age
IOS1669_4	236	1.31	0.39500	0.01000	0.05074	0.00055	0.16154	337.5	7.3	319.1	3.4	453	57	DISC	DISC	5.5	Single Age
IOS1669_5	181.1	2.68	0.49900	0.02600	0.05585	0.00082	0.20972	407.0	17.0	350.3	5.0	710	100	DISC	DISC	13.9	Single Age
IOS1669_6	574	1.84	0.37650	0.00720	0.05138	0.00045	0.00510	323.9	5.4	323.0	2.7	330	46	323.0	2.7	0.3	Single Age
IOS1669_7	1400	9.31	0.31000	0.01500	0.04170	0.00150	0.70527	274.0	12.0	263.1	9.2	368	82	263.1	9.2	4.0	Rim
IOS1669_7	1800	3.01	0.39050	0.00740	0.05254	0.00076	0.48536	334.3	5.4	330.1	4.6	360	35	330.1	4.6	1.3	Core
IOS1669_9	269	1.82	0.39900	0.01000	0.05258	0.00061	0.19570	340.3	7.4	330.3	3.7	395	55	330.3	3.7	2.9	Single Age

Table A2, con't.

IOS1669_10	803	1.77	0.35890	0.00410	0.04900	0.00039	0.36751	311.2	3.1	308.4	2.4	339	25	308.4	2.4	0.9	Single Age
IOS1669_11	696	1.99	0.36150	0.00510	0.05005	0.00046	0.27383	313.1	3.8	314.8	2.8	296	31	314.8	2.8	0.5	Single Age
IOS1669_12	1413	10.69	0.40960	0.00820	0.05161	0.00077	0.44297	348.1	5.9	324.4	4.7	510	39	DISC	DISC	6.8	Single Age
IOS1669_13	282	3.49	0.41200	0.01900	0.05058	0.00049	0.11022	348.0	13.0	318.1	3.0	511	82	DISC	DISC	8.6	Single Age
IOS1669_14	950	3.72	0.43250	0.00910	0.05367	0.00055	0.12911	364.3	6.4	337.0	3.4	532	44	DISC	DISC	7.5	Single Age
IOS1669_15	125.8	1.32	0.41100	0.01400	0.05118	0.00059	0.11675	344.0	8.7	321.7	3.6	504	70	DISC	DISC	6.5	Single Age
IOS1669_16	373	1.80	0.39980	0.00980	0.05181	0.00045	0.39998	340.7	6.9	325.6	2.8	433	44	325.6	2.8	4.4	Single Age
IOS1669_17	455	1.66	0.37550	0.00930	0.04940	0.00045	0.19098	322.9	6.8	310.8	2.8	398	48	310.8	2.8	3.7	Single Age
IOS1669_18	473	2.95	0.35000	0.01200	0.04900	0.00120	0.68585	304.2	8.8	308.5	7.1	290	56	308.5	7.1	1.4	Single Age
IOS1669_19	348	2.70	0.36930	0.00560	0.05052	0.00045	0.20574	319.9	4.0	317.7	2.8	325	36	317.7	2.8	0.7	Single Age
IOS1669_20	1085	4.72	0.38860	0.00580	0.05294	0.00061	0.66511	333.0	4.2	332.5	3.7	336	22	332.5	3.7	0.2	Single Age
IOS1669_21	1208	2.94	0.37100	0.01100	0.05090	0.00140	0.37677	319.8	7.9	320.3	8.6	322	57	320.3	8.6	0.2	Rim
IOS1669_21	369	2.52	0.37630	0.00890	0.05304	0.00065	0.51972	323.8	6.6	333.1	4.0	264	47	333.1	4.0	2.9	Core
IOS1669_22	1198	5.48	0.47100	0.03600	0.05179	0.00052	0.14278	386.0	22.0	325.5	3.2	730	120	DISC	DISC	15.7	Single Age
IOS1669_23	1100	3.13	0.40230	0.00570	0.05094	0.00049	0.50469	343.5	4.3	320.3	3.0	502	28	DISC	DISC	6.8	Single Age
IOS1669_24	774	5.95	0.33070	0.00650	0.04630	0.00084	0.56692	289.9	5.0	291.8	5.2	290	42	291.8	5.2	0.7	Single Age
IOS1669_25	255.4	1.72	0.35650	0.00730	0.04926	0.00066	0.36052	309.8	5.6	309.9	4.1	300	44	309.9	4.1	0.0	Single Age
IOS1669_26	291	1.35	0.39300	0.01200	0.05015	0.00083	0.01991	336.2	8.4	315.4	5.1	478	76	DISC	DISC	6.2	Single Age
IOS1669_27	295	1.61	0.37370	0.00710	0.05000	0.00048	0.32426	321.9	5.2	314.5	2.9	374	42	314.5	2.9	2.3	Single Age
IOS1669_28	478	2.84	0.42150	0.00990	0.05722	0.00085	0.13456	356.6	7.0	358.7	5.2	342	54	358.7	5.2	0.6	Single Age
IOS1669_29	327	1.57	0.36900	0.01100	0.05000	0.00099	0.64671	319.2	8.3	314.4	6.1	333	46	314.4	6.1	1.5	Single Age
IOS1669_30	293	1.71	0.38380	0.00830	0.05093	0.00043	0.24533	330.7	6.0	320.2	2.6	394	46	320.2	2.6	3.2	Single Age
IOS1669_31	1590	5.48	0.38120	0.00480	0.05204	0.00040	0.43218	327.7	3.5	327.0	2.4	328	27	327.0	2.4	0.2	Single Age
IOS1669_32	576	3.21	0.36310	0.00510	0.04989	0.00047	0.38823	314.3	3.8	313.8	2.9	315	30	313.8	2.9	0.2	Single Age
IOS1669_33	1060	2.83	0.37710	0.00590	0.05172	0.00063	0.62952	324.6	4.3	325.0	3.8	314	27	325.0	3.8	0.1	Single Age

Table A2, con't.

IOS1669_34	3290	10.20	0.38880	0.00460	0.05214	0.00045	0.50860	333.3	3.3	327.6	2.8	382	22	327.6	2.8	1.7	Single Age
IOS1669_35	334	2.17	0.37500	0.00700	0.05089	0.00051	0.30317	322.9	5.1	320.0	3.1	340	38	320.0	3.1	0.9	Single Age
IOS1669_36	346	1.83	0.35550	0.00640	0.04882	0.00042	0.37228	308.5	4.8	307.3	2.6	332	40	307.3	2.6	0.4	Single Age
IOS1669_37	149.5	2.34	0.37760	0.00960	0.05085	0.00064	0.03717	325.5	7.3	319.7	3.9	360	63	319.7	3.9	1.8	Single Age
IOS1669_38	381	2.94	0.38580	0.00860	0.05318	0.00071	0.57219	331.5	6.5	334.0	4.4	309	38	334.0	4.4	0.8	Single Age
IOS1669_39	1190	4.98	0.45500	0.00720	0.05652	0.00055	0.16426	380.4	5.0	354.4	3.4	534	37	DISC	DISC	6.8	Single Age
IOS1669_40	1540	4.35	0.39440	0.00600	0.05159	0.00057	0.69241	337.3	4.4	324.7	3.4	427	24	324.7	3.4	3.7	Single Age
IOS1669_41	427	3.77	0.36800	0.00660	0.05068	0.00052	0.41130	317.7	4.9	318.7	3.2	312	38	318.7	3.2	0.3	Single Age
IOS1669_42	568	1.96	0.39400	0.00770	0.05361	0.00079	0.48478	336.8	5.6	336.6	4.8	331	42	336.6	4.8	0.1	Single Age
IOS1669_43	643	1.88	0.37990	0.00940	0.05119	0.00054	0.35776	326.6	6.9	321.8	3.3	357	52	321.8	3.3	1.5	Single Age
IOS1669_44	450	1.98	0.38290	0.00720	0.05216	0.00055	0.04262	328.8	5.3	327.8	3.4	328	47	327.8	3.4	0.3	Single Age
IOS1669_45	438	3.29	0.39090	0.00800	0.05417	0.00068	0.18478	334.7	5.9	340.0	4.2	296	49	340.0	4.2	1.6	Rim
IOS1669_45	256	2.80	0.68100	0.01900	0.08020	0.00130	0.28085	527.0	11.0	497.3	7.7	653	58	DISC	DISC	5.6	Core
IOS1669_46	1154	6.79	0.38660	0.00440	0.05325	0.00043	0.40329	331.7	3.2	334.4	2.7	317	25	334.4	2.7	0.8	Single Age
IOS1669_47	1940	4.22	0.38940	0.00570	0.05283	0.00058	0.78304	333.7	4.1	331.8	3.6	350	20	331.8	3.6	0.6	Single Age
IOS1669_48	1180	2.18	0.38370	0.00520	0.05149	0.00038	0.32632	329.5	3.8	323.6	2.4	367	29	323.6	2.4	1.8	Single Age
IOS1669_49	483	1.73	0.37390	0.00720	0.05221	0.00076	0.51810	322.0	5.3	328.0	4.6	284	36	328.0	4.6	1.9	Single Age
IOS1669_50	479	3.32	0.38500	0.00860	0.05262	0.00074	0.17991	330.5	6.3	330.6	4.5	328	53	330.6	4.5	0.0	Rim
IOS1669_50	115.3	1.39	0.45100	0.02100	0.06210	0.00160	0.06762	377.0	15.0	388.4	9.9	300	110	388.4	9.9	3.0	Core

SAMPLE NAME: IOS1710																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1710_1	639	2.13	0.37700	0.01200	0.05120	0.00120	0.70623	324.0	8.7	321.6	7.4	355	53	321.6	7.4	0.7	Single Age

Table A2, con't.

IOS1710_2	120	0.93	0.36300	0.02400	0.05160	0.00150	0.02399	313.0	18.0	324.6	9.3	230	150	324.6	9.3	3.7	Single Age
IOS1710_3	66.1	1.95	0.38000	0.01700	0.04947	0.00088	0.00183	324.0	12.0	311.9	5.2	408	96	311.9	5.2	3.7	Single Age
IOS1710_4	268	17.80	0.35890	0.00940	0.04949	0.00067	0.32650	310.5	7.0	311.3	4.1	295	54	311.3	4.1	0.3	Single Age
IOS1710_5	419	4.60	1.38600	0.04200	0.14270	0.00360	0.86460	881.0	18.0	860.0	20.0	934	32	860.0	20.0	2.4	Single Age
IOS1710_6	781	32.50	0.80000	0.02100	0.09250	0.00210	0.64386	596.0	12.0	570.0	13.0	680	45	570.0	13.0	4.4	Single Age
IOS1710_7	130.8	6.19	1.41300	0.04700	0.15780	0.00420	0.51278	893.0	20.0	944.0	24.0	787	74	DISC	DISC	5.7	Single Age
IOS1710_8	346	1.57	0.56400	0.01500	0.07250	0.00130	0.45480	453.3	9.7	450.9	7.8	455	54	450.9	7.8	0.5	Single Age
IOS1710_9	276.1	2.44	6.88000	0.14000	0.37810	0.00680	0.77229	2094.0	18.0	2066.0	32.0	2121	23	2121.0	23.0	2.6	Single Age
IOS1710_10	728	43.60	0.39500	0.02200	0.05220	0.00220	0.63700	337.0	16.0	328.0	14.0	389	93	328.0	14.0	2.7	Single Age
IOS1710_11	130.8	4.65	0.40800	0.01700	0.05400	0.00120	0.29978	345.0	12.0	339.0	7.2	358	81	339.0	7.2	1.7	Single Age
IOS1710_12	215.9	1.64	1.13600	0.03600	0.12480	0.00220	0.51509	769.0	17.0	758.0	13.0	791	59	758.0	13.0	1.4	Single Age
IOS1710_13	386	1.81	1.63900	0.04000	0.16300	0.00330	0.70818	983.0	15.0	973.0	18.0	1023	32	973.0	18.0	1.0	Single Age
IOS1710_14	185.6	1.94	0.67400	0.01900	0.07970	0.00200	0.54231	522.0	11.0	494.0	12.0	649	52	DISC	DISC	5.4	Single Age
IOS1710_15	295	2.58	0.63100	0.02500	0.07870	0.00210	0.68148	495.0	15.0	488.0	13.0	537	67	488.0	13.0	1.4	Single Age
IOS1710_16	56	2.33	0.38200	0.02200	0.05090	0.00140	0.34329	325.0	17.0	321.0	8.4	330	110	321.0	8.4	1.2	Single Age
IOS1710_17	116.3	1.39	0.88900	0.04300	0.10420	0.00380	0.50012	642.0	23.0	638.0	22.0	643	94	638.0	22.0	0.6	Single Age
IOS1710_18	660	8.10	0.70200	0.02400	0.08820	0.00190	0.39199	539.0	14.0	545.0	11.0	507	69	545.0	11.0	1.1	Rim
IOS1710_18	169.9	2.07	0.92900	0.02500	0.10680	0.00160	0.42155	665.0	13.0	654.0	9.1	694	55	654.0	9.1	1.7	Core
IOS1710_19	820	8.80	12.8700	0.31000	0.50030	0.00810	0.88655	2663.0	23.0	2612.0	35.0	2702	20	2702.0	20.0	3.3	Single Age
IOS1710_20	406	4.64	4.52000	0.32000	0.20300	0.01100	0.97498	1697.0	51.0	1183.0	59.0	2423	27	DISC	DISC	30.3	Single Age
IOS1710_21	224	3.38	0.37800	0.02200	0.05270	0.00170	0.39337	324.0	16.0	331.0	11.0	270	110	331.0	11.0	2.2	Rim
IOS1710_21	291	4.71	2.05600	0.09900	0.15130	0.00500	0.90432	1124.0	33.0	907.0	28.0	1570	43	DISC	DISC	19.3	Core
IOS1710_22	545	9.00	0.40900	0.02100	0.05350	0.00170	0.67352	347.0	15.0	336.0	10.0	409	86	336.0	10.0	3.2	Rim
IOS1710_22	274.6	1.45	1.34500	0.02800	0.13860	0.00220	0.46117	866.0	13.0	836.0	12.0	939	42	836.0	12.0	3.5	Core
IOS1710_23	1250	20.47	0.39900	0.01600	0.04920	0.00130	0.55773	340.0	12.0	309.7	8.1	522	69	DISC	DISC	8.9	Rim
IOS1710_23	652	7.24	0.57400	0.01600	0.07100	0.00150	0.60569	460.0	10.0	441.9	9.2	544	50	441.9	9.2	3.9	Core

Table A2, con't.

IOS1710_24	691	27.20	0.38180	0.00970	0.05173	0.00096	0.48160	327.8	7.1	325.1	5.9	340	52	325.1	5.9	0.8	Single Age
IOS1710_25	1070	31.50	0.57000	0.04500	0.05680	0.00170	0.61759	452.0	28.0	356.0	10.0	920	120	DISC	DISC	21.2	Rim
IOS1710_25	521	6.21	1.10500	0.04700	0.07910	0.00200	0.32134	752.0	22.0	493.0	13.0	1626	64	DISC	DISC	34.4	Core
IOS1710_26	813	52.10	0.34380	0.00880	0.04689	0.00071	0.60910	299.4	6.6	295.3	4.4	319	45	295.3	4.4	1.4	Single Age
IOS1710_27	1116	18.40	0.39800	0.01400	0.05370	0.00140	0.70516	339.0	10.0	336.9	8.8	346	56	336.9	8.8	0.6	Rim
IOS1710_27	443	1.78	0.73500	0.02600	0.08920	0.00290	0.80791	558.0	15.0	551.0	17.0	587	44	551.0	17.0	1.3	Core
IOS1710_28	183.5	1.57	0.39300	0.01300	0.05276	0.00095	0.10108	335.6	9.3	331.4	5.8	341	78	331.4	5.8	1.3	Single Age
IOS1710_29	403.2	28.10	0.38300	0.01800	0.04970	0.00120	0.30186	328.0	13.0	312.9	7.3	410	100	312.9	7.3	4.6	Rim
IOS1710_29	450	1.36	0.74600	0.01800	0.08990	0.00200	0.55833	565.0	10.0	555.0	12.0	615	50	555.0	12.0	1.8	Core
IOS1710_30	231	8.40	0.37700	0.01700	0.05310	0.00110	0.06907	322.0	12.0	333.7	6.7	235	92	333.7	6.7	3.6	Single Age
IOS1710_31	1380	23.50	0.39100	0.02500	0.04980	0.00160	0.84743	335.0	18.0	314.0	10.0	471	90	DISC	DISC	6.3	Rim
IOS1710_31	1765	12.66	6.02300	0.08400	0.28070	0.00350	0.81980	1977.0	12.0	1594.0	18.0	2403	13	DISC	DISC	33.7	Core
IOS1710_32	320.5	50.00	0.36610	0.00990	0.04960	0.00074	0.28017	316.0	7.3	312.1	4.5	333	59	312.1	4.5	1.2	Rim
IOS1710_32	212	4.69	1.58000	0.11000	0.12360	0.00570	0.72694	958.0	42.0	751.0	33.0	1463	92	DISC	DISC	21.6	Core
IOS1710_33	169	1.66	0.40800	0.02400	0.05440	0.00180	0.38825	345.0	17.0	341.0	11.0	360	120	341.0	11.0	1.2	Single Age
IOS1710_34	420	12.90	0.39700	0.01400	0.05335	0.00090	0.54378	338.6	9.8	335.0	5.5	345	62	335.0	5.5	1.1	Rim
IOS1710_34	313	12.64	0.56300	0.02200	0.06960	0.00210	0.56622	453.0	14.0	434.0	13.0	540	73	434.0	13.0	4.2	Core
IOS1710_35	230.6	2.10	0.93700	0.01900	0.10990	0.00150	0.23191	672.0	10.0	672.3	8.8	661	47	672.3	8.8	0.0	Single Age
IOS1710_37	136.2	1.07	1.05600	0.02900	0.11780	0.00180	0.40035	729.0	14.0	717.0	11.0	753	55	717.0	11.0	1.6	Single Age
IOS1710_38	287	4.80	0.32500	0.02200	0.04320	0.00130	0.38656	285.0	17.0	272.8	8.2	330	140	272.8	8.2	4.3	Rim
IOS1710_38	149.5	0.78	0.80100	0.02300	0.09860	0.00150	0.36604	596.0	13.0	605.8	9.0	542	59	605.8	9.0	1.6	Core
IOS1710_39	97.1	1.78	0.39900	0.02100	0.05109	0.00087	0.52052	334.0	12.0	321.1	5.3	399	84	321.1	5.3	3.9	Single Age
IOS1710_40	346	54.30	0.37600	0.01300	0.05100	0.00120	0.36827	323.6	9.3	320.5	7.3	344	71	320.5	7.3	1.0	Rim
IOS1710_40	60.9	4.56	0.70100	0.04100	0.07980	0.00270	0.42472	536.0	24.0	495.0	16.0	720	120	DISC	DISC	7.6	Core
IOS1710_41	172.1	3.64	0.34600	0.01300	0.04747	0.00081	0.41489	300.4	9.7	298.9	5.0	290	71	298.9	5.0	0.5	Rim
IOS1710_41	391	4.05	0.60700	0.03300	0.07470	0.00290	0.84343	481.0	21.0	464.0	17.0	550	68	464.0	17.0	3.5	Core
IOS1710_42	540	40.00	0.37100	0.01100	0.05120	0.00110	0.54200	321.1	7.8	322.0	6.5	307	57	322.0	6.5	0.3	Single Age

Table A2, con't.

IOS1710_43	159.2	1.28	1.36400	0.04500	0.14490	0.00380	0.64273	871.0	19.0	872.0	21.0	865	54	872.0	21.0	0.1	Single Age
IOS1710_44	399	12.20	0.42200	0.02100	0.05590	0.00160	0.65187	356.0	15.0	350.4	9.5	376	85	350.4	9.5	1.6	Rim
IOS1710_44	481	2.06	0.76800	0.02500	0.09470	0.00200	0.63748	577.0	14.0	583.0	12.0	560	55	583.0	12.0	1.0	Core
IOS1710_45	711	83.00	0.37700	0.01600	0.05170	0.00140	0.53698	324.0	11.0	325.0	8.8	312	78	325.0	8.8	0.3	Rim
IOS1710_45	235	11.20	1.74000	0.04500	0.16170	0.00280	0.56378	1021.0	16.0	966.0	15.0	1143	45	DISC	DISC	5.4	Core
IOS1710_46	120.5	3.03	0.38200	0.01900	0.05030	0.00130	0.08817	327.0	14.0	316.4	7.8	390	120	316.4	7.8	3.2	Single Age
IOS1710_47	170.7	3.50	0.37300	0.01900	0.05090	0.00120	0.30252	320.0	14.0	320.0	7.5	300	100	320.0	7.5	0.0	Rim
IOS1710_47	237	5.62	0.48200	0.01900	0.05970	0.00110	0.26473	398.0	13.0	373.7	7.0	526	86	DISC	DISC	6.1	Core
IOS1710_48	494	42.30	0.37500	0.01500	0.05110	0.00130	0.36738	323.0	11.0	321.0	8.2	327	83	321.0	8.2	0.6	Rim
IOS1710_48	666	0.55	1.04000	0.03600	0.11430	0.00300	0.76204	721.0	18.0	698.0	17.0	803	40	698.0	17.0	3.2	Core
IOS1710_49	1037	10.32	0.34760	0.00630	0.04780	0.00059	0.57481	302.5	4.8	301.0	3.6	308	33	301.0	3.6	0.5	Single Age
IOS1710_50	71.7	0.81	0.35700	0.01600	0.04941	0.00082	0.04156	307.0	12.0	310.8	5.0	275	96	310.8	5.0	1.2	Single Age
IOS1710_51	1363	9.26	0.48480	0.00880	0.06206	0.00091	0.62211	400.9	6.0	388.1	5.5	464	32	388.1	5.5	3.2	Single Age
IOS1710_52	327.7	1.09	0.87400	0.02500	0.10220	0.00240	0.43147	636.0	14.0	627.0	14.0	651	64	627.0	14.0	1.4	Single Age
IOS1710_53	71	1.14	0.36300	0.01700	0.04951	0.00098	0.10841	312.0	13.0	311.4	6.0	311	99	311.4	6.0	0.2	Single Age
IOS1710_54	258	27.40	0.38000	0.01300	0.05113	0.00093	0.31008	327.4	9.5	321.4	5.7	346	68	321.4	5.7	1.8	Single Age
IOS1710_55	144	1.55	0.35500	0.01500	0.04765	0.00087	0.06850	306.0	11.0	300.0	5.3	336	88	300.0	5.3	2.0	Single Age
IOS1710_56	840	68.20	0.37300	0.01500	0.05150	0.00110	0.47902	321.0	11.0	323.8	7.0	291	76	323.8	7.0	0.9	Rim
IOS1710_56	215.1	8.52	0.46800	0.01600	0.05970	0.00110	0.37638	389.0	11.0	373.9	6.5	460	70	373.9	6.5	3.9	Core
IOS1710_57	1116	2.17	0.89300	0.02000	0.10360	0.00210	0.65722	647.0	10.0	635.0	13.0	706	40	635.0	13.0	1.9	Single Age
IOS1710_58	1350	1.98	0.36600	0.01300	0.05100	0.00100	0.38336	316.0	10.0	320.3	6.3	276	77	320.3	6.3	1.4	Rim
IOS1710_58	477	2.22	0.76000	0.02400	0.09320	0.00180	0.61863	573.0	14.0	574.0	11.0	547	53	574.0	11.0	0.2	Core
IOS1710_59	213	12.80	0.38100	0.01300	0.05121	0.00089	0.00090	327.3	9.0	321.9	5.4	342	74	321.9	5.4	1.6	Single Age
IOS1710_60	403.1	1.32	1.65300	0.03600	0.16670	0.00230	0.67561	989.0	14.0	994.0	13.0	980	35	994.0	13.0	0.5	Single Age
IOS1710_201	360.6	1.67	6.67100	0.07800	0.36160	0.00380	0.64873	2067.0	10.0	1989.0	18.0	2153	16	2153.0	16.0	7.6	Single Age
IOS1710_202	26.6	1.17	0.40800	0.02700	0.05490	0.00150	0.20747	341.0	20.0	344.5	8.9	300	130	344.5	8.9	1.0	Single Age
IOS1710_203	74	1.23	0.38200	0.02200	0.05070	0.00130	0.14518	326.0	16.0	318.9	7.9	380	120	318.9	7.9	2.2	Rim

Table A2, con't.

IOS1710_203	332.6	1.20	0.65100	0.02000	0.08310	0.00180	0.40267	508.0	13.0	515.0	10.0	473	66	515.0	10.0	1.4	Core
IOS1710_204	2192	36.10	0.42800	0.02200	0.05149	0.00048	0.42168	359.0	15.0	323.7	2.9	579	88	DISC	DISC	9.8	Single Age
IOS1710_205	459	89.60	0.37300	0.01500	0.05110	0.00140	0.22323	322.0	11.0	321.4	8.5	332	97	321.4	8.5	0.2	Rim
IOS1710_205	324	2.87	0.97900	0.02400	0.10850	0.00190	0.48167	692.0	12.0	664.0	11.0	782	44	664.0	11.0	4.0	Core
IOS1710_206	223.6	6.42	1.16200	0.02200	0.12950	0.00170	0.35055	782.0	11.0	784.9	9.6	761	38	784.9	9.6	0.4	Single Age
IOS1710_207	669	21.30	0.35220	0.00590	0.04881	0.00052	0.23754	306.1	4.4	307.2	3.2	298	42	307.2	3.2	0.4	Single Age
IOS1710_208	742	7.54	5.75700	0.07700	0.27470	0.00310	0.83695	1939.0	11.0	1569.0	15.0	2368	13	DISC	DISC	33.7	Single Age
IOS1710_209	263	20.00	0.37800	0.01200	0.05008	0.00072	0.26387	324.5	8.7	315.0	4.4	394	71	315.0	4.4	2.9	Single Age
IOS1710_210	313	16.00	0.36630	0.00840	0.05122	0.00077	0.10220	316.6	6.2	322.0	4.7	274	56	322.0	4.7	1.7	Rim
IOS1710_210	336.5	2.78	0.74300	0.03000	0.08730	0.00140	0.11508	564.0	17.0	539.3	8.4	662	94	539.3	8.4	4.4	Core
IOS1710_211	1440	19.71	0.38170	0.00800	0.05170	0.00068	0.57041	328.1	5.9	324.9	4.2	338	41	324.9	4.2	1.0	Rim
IOS1710_211	346.1	2.15	0.75600	0.03100	0.08980	0.00220	0.42806	571.0	18.0	554.0	13.0	621	76	554.0	13.0	3.0	Core
IOS1710_212	682.2	3.95	0.76200	0.01600	0.09010	0.00130	0.47272	574.2	9.2	556.0	7.6	642	38	556.0	7.6	3.2	Single Age
IOS1710_213	1560	8.05	0.65500	0.02000	0.07700	0.00200	0.21627	511.0	12.0	478.0	12.0	648	73	DISC	DISC	6.5	Rim
IOS1710_213	373	1.15	0.74700	0.01600	0.08910	0.00120	0.25634	565.8	9.3	550.2	7.0	618	49	550.2	7.0	2.8	Core
IOS1710_214	365	19.00	0.33300	0.01600	0.05140	0.00140	0.39906	292.0	12.0	323.0	8.3	68	90	DISC	DISC	10.6	Rim
IOS1710_214	384.9	1.46	0.78700	0.02400	0.08920	0.00170	0.07406	589.0	13.0	551.0	10.0	724	77	DISC	DISC	6.5	Core
IOS1710_215	319	13.40	0.38700	0.01100	0.05125	0.00077	0.05016	333.7	8.9	322.1	4.7	400	71	322.1	4.7	3.5	Rim
IOS1710_215	560	3.20	0.50900	0.01400	0.06600	0.00130	0.62747	417.4	9.7	412.1	7.7	423	67	412.1	7.7	1.3	Core
IOS1710_216	733	9.82	0.77200	0.01000	0.09435	0.00086	0.44250	580.5	5.9	581.1	5.0	574	27	581.1	5.0	0.1	Single Age
IOS1710_217	262	0.68	1.01100	0.02100	0.11570	0.00170	0.49561	708.0	11.0	705.6	9.7	700	41	705.6	9.7	0.3	Single Age
IOS1710_218	413	33.80	0.36900	0.01000	0.05099	0.00068	0.08731	318.0	7.5	320.5	4.2	289	64	320.5	4.2	0.8	Rim
IOS1710_218	208.6	2.38	0.54400	0.02100	0.06593	0.00092	0.00899	440.0	14.0	411.5	5.6	561	87	DISC	DISC	6.5	Core
IOS1710_219	89.3	1.23	0.37200	0.01600	0.05160	0.00077	0.17229	319.0	12.0	324.3	4.7	255	86	324.3	4.7	1.7	Single Age
IOS1710_220	424.1	4.78	0.48290	0.00960	0.06141	0.00066	0.39058	399.4	6.5	384.2	4.0	468	40	384.2	4.0	3.8	Single Age
IOS1710_221	384	5.40	0.37600	0.02400	0.05030	0.00220	0.56446	323.0	18.0	316.0	13.0	330	120	316.0	13.0	2.2	Rim
IOS1710_221	277.6	1.48	1.20200	0.05200	0.12740	0.00400	0.74434	799.0	24.0	773.0	23.0	855	61	773.0	23.0	3.3	Core

Table A2, con't.

IOS1710_222	674	84.00	0.38800	0.01400	0.05150	0.00120	0.56247	332.0	10.0	323.6	7.5	391	66	323.6	7.5	2.5	Rim
IOS1710_222	136.3	0.65	1.31300	0.04200	0.13490	0.00260	0.50426	849.0	18.0	816.0	14.0	918	58	816.0	14.0	3.9	Core
IOS1710_223	985	32.30	0.40100	0.02100	0.05580	0.00270	0.56886	342.0	15.0	350.0	16.0	284	97	350.0	16.0	2.3	Rim
IOS1710_223	206	1.15	0.81400	0.02400	0.09970	0.00190	0.16964	603.0	14.0	613.0	11.0	545	71	613.0	11.0	1.7	Core
IOS1710_224	411	7.04	0.41900	0.01500	0.05454	0.00071	0.37954	355.0	11.0	342.3	4.4	432	74	342.3	4.4	3.6	Rim
IOS1710_224	982	10.51	0.49300	0.01100	0.06179	0.00065	0.54233	406.5	7.4	386.5	4.0	523	41	386.5	4.0	4.9	Rim
IOS1710_224	244	6.37	0.69100	0.05200	0.08300	0.00430	0.85627	531.0	30.0	514.0	25.0	588	77	514.0	25.0	3.2	Core
IOS1710_225	1173	27.50	0.37120	0.00660	0.05075	0.00058	0.40384	320.3	4.9	319.1	3.6	319	38	319.1	3.6	0.4	Rim
IOS1710_225	502.6	12.04	0.70800	0.02100	0.07630	0.00180	0.44440	543.0	12.0	474.0	11.0	830	61	DISC	DISC	12.7	Core
IOS1710_226	196	4.93	0.39500	0.01800	0.05080	0.00110	0.15528	337.0	13.0	319.2	7.0	440	110	DISC	DISC	5.3	Rim
IOS1710_226	743	33.30	0.51820	0.00870	0.06562	0.00064	0.38663	423.6	5.8	409.7	3.9	481	36	409.7	3.9	3.3	Core
IOS1710_227	752	81.00	0.37570	0.00960	0.05019	0.00099	0.15219	323.7	7.1	315.6	6.1	377	68	315.6	6.1	2.5	Rim
IOS1710_227	326	7.90	0.95100	0.04800	0.10760	0.00270	0.34427	678.0	25.0	659.0	16.0	720	110	659.0	16.0	2.8	Rim
IOS1710_227	207.6	1.14	1.53100	0.03400	0.15530	0.00200	0.26373	944.0	14.0	931.0	11.0	959	49	931.0	11.0	1.4	Core
IOS1710_228	1470	59.80	0.37400	0.01800	0.05080	0.00160	0.42766	322.0	14.0	319.2	9.5	340	100	319.2	9.5	0.9	Rim
IOS1710_228	64.7	0.91	6.06000	0.15000	0.34310	0.00760	0.29624	1982.0	22.0	1900.0	36.0	2056	52	2056.0	52.0	7.6	Core
IOS1710_229	188	1.99	0.38200	0.02800	0.05030	0.00150	0.11757	328.0	20.0	316.1	8.9	390	150	316.1	8.9	3.6	Rim
IOS1710_229	331.7	1.07	0.54600	0.02100	0.07090	0.00130	0.25438	441.0	14.0	441.3	7.6	415	86	441.3	7.6	0.1	Core
IOS1710_230	434	12.17	0.37600	0.01400	0.05230	0.00110	0.38261	326.0	12.0	328.5	6.6	301	84	328.5	6.6	0.8	Rim
IOS1710_230	916	1.21	0.58970	0.00990	0.07285	0.00082	0.53412	470.2	6.3	453.2	4.9	538	32	453.2	4.9	3.6	Core
IOS1710_231	469	22.18	0.39100	0.01900	0.05420	0.00110	0.17544	334.0	14.0	340.0	6.6	290	110	340.0	6.6	1.8	Rim
IOS1710_231	152.4	2.60	2.59000	0.13000	0.15220	0.00510	0.63775	1294.0	36.0	913.0	29.0	1965	68	DISC	DISC	29.4	Core
IOS1710_232	1102	37.40	0.37200	0.01400	0.05000	0.00140	0.51810	321.0	10.0	314.5	8.7	361	74	314.5	8.7	2.0	Rim
IOS1710_232	1049	3.97	2.91000	0.12000	0.16110	0.00500	0.95682	1375.0	31.0	962.0	28.0	2087	26	DISC	DISC	30.0	Core
IOS1710_233	551	-80.00	0.94200	0.02800	0.11080	0.00270	0.48758	673.0	15.0	677.0	15.0	656	62	677.0	15.0	0.6	Single Age
IOS1710_234	1346	15.00	0.36900	0.01400	0.04993	0.00082	0.56577	319.0	11.0	314.1	5.0	348	72	314.1	5.0	1.5	Rim
IOS1710_234	439	3.21	0.78400	0.01800	0.08760	0.00120	0.29573	587.0	10.0	541.4	7.2	750	49	DISC	DISC	7.8	Core
IOS1710_235	561	47.10	0.35700	0.01200	0.04955	0.00079	0.11184	309.2	9.0	311.7	4.8	283	77	311.7	4.8	0.8	Rim
IOS1710_235	104	2.19	0.85100	0.06200	0.09700	0.00430	0.73331	618.0	35.0	596.0	25.0	660	110	596.0	25.0	3.6	Core

Table A2, con't.

IOS1710_236	145.7	1.48	0.46000	0.01900	0.06070	0.00140	0.62568	383.0	14.0	379.7	8.5	372	70	379.7	8.5	0.9	Single Age
IOS1710_237	841	8.99	0.37900	0.01400	0.05020	0.00160	0.32638	326.0	10.0	316.0	10.0	398	92	316.0	10.0	3.1	Rim
IOS1710_237	683	0.89	0.71300	0.01500	0.08610	0.00110	0.41695	545.8	8.7	532.7	6.8	586	42	532.7	6.8	2.4	Core
IOS1710_238	1310	98.00	0.38800	0.01600	0.05280	0.00160	0.75944	333.0	12.0	332.0	10.0	336	61	332.0	10.0	0.3	Rim
IOS1710_238	546	3.86	0.88500	0.02200	0.10450	0.00210	0.80033	644.0	13.0	641.0	12.0	653	38	641.0	12.0	0.5	Core
IOS1710_239	229	14.10	0.37900	0.01200	0.05168	0.00072	0.14866	325.3	8.6	324.8	4.4	318	68	324.8	4.4	0.2	Single Age
IOS1710_240	366	71.00	0.36100	0.01100	0.04960	0.00065	0.17668	312.5	8.5	312.1	4.0	306	71	312.1	4.0	0.1	Rim
IOS1710_240	602	0.72	1.07800	0.03000	0.12240	0.00250	0.42842	742.0	14.0	744.0	15.0	729	57	744.0	15.0	0.3	Core
IOS1710_241	1155	2.33	0.35140	0.00640	0.04788	0.00055	0.46171	305.5	4.8	301.5	3.4	328	37	301.5	3.4	1.3	Single Age
IOS1710_242	127.5	3.02	0.37700	0.01400	0.05132	0.00078	0.24323	323.0	10.0	322.6	4.8	309	75	322.6	4.8	0.1	Single Age
IOS1710_243	2565	4.28	0.38780	0.00560	0.05207	0.00053	0.47884	332.5	4.1	327.2	3.3	358	26	327.2	3.3	1.6	Single Age
IOS1710_244	203	5.55	0.37100	0.01600	0.05110	0.00120	0.38298	319.0	12.0	320.9	7.6	303	89	320.9	7.6	0.6	Rim
IOS1710_244	154.5	3.16	0.65000	0.02400	0.07830	0.00150	0.09687	507.0	14.0	485.8	9.0	584	85	485.8	9.0	4.2	Core
IOS1710_245	88.2	1.08	0.36100	0.01600	0.04949	0.00084	0.00607	310.0	12.0	311.3	5.2	300	96	311.3	5.2	0.4	Single Age
IOS1710_246	592	12.12	0.38970	0.00860	0.05337	0.00057	0.33376	333.7	6.3	335.2	3.5	318	48	335.2	3.5	0.4	Rim
IOS1710_246	246.2	0.36	0.67700	0.02100	0.08210	0.00150	0.22917	524.0	13.0	508.5	8.9	580	70	508.5	8.9	3.0	Core
IOS1710_247	381	32.20	0.29400	0.01400	0.04130	0.00150	0.60015	261.0	11.0	261.0	9.4	256	84	261.0	9.4	0.0	Rim
IOS1710_247	980	4.10	0.61100	0.02100	0.07620	0.00180	0.72489	483.0	13.0	474.0	11.0	520	53	474.0	11.0	1.9	Core
IOS1710_248	1225	19.30	0.38450	0.00920	0.05052	0.00047	0.47379	329.6	6.6	317.7	2.9	406	46	317.7	2.9	3.6	Single Age
IOS1710_249	1210	45.90	0.38500	0.02000	0.05170	0.00220	0.68371	330.0	14.0	325.0	13.0	351	79	325.0	13.0	1.5	Rim
IOS1710_249	577	0.49	0.79700	0.01800	0.09810	0.00180	0.63465	596.0	11.0	603.0	11.0	554	41	603.0	11.0	1.2	Core
IOS1710_250	375	72.60	0.35880	0.00870	0.05011	0.00043	0.19858	310.7	6.5	315.2	2.6	269	51	315.2	2.6	1.4	Single Age

Table A2, con't.

SAMPLE NAME: IOS1731																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance***	**Rim/ Core**
IOS1731_1	1594	31.20	0.36080	0.00570	0.04908	0.00068	0.53084	312.7	4.2	308.9	4.2	340	32	308.9	4.2	1.2	Single Age
IOS1731_2	719	2.52	0.43700	0.00780	0.05844	0.00081	0.48931	367.7	5.5	366.1	4.9	376	37	366.1	4.9	0.4	Single Age
IOS1731_3	345	1.45	0.40750	0.00800	0.05390	0.00084	0.48444	346.6	5.8	338.4	5.2	371	40	338.4	5.2	2.4	Single Age
IOS1731_4	211.3	2.25	1.05900	0.02400	0.11580	0.00160	0.57811	732.0	12.0	706.1	9.2	768	41	706.1	9.2	3.5	Single Age
IOS1731_5	265	1.78	0.46000	0.01100	0.05342	0.00078	0.09952	383.5	7.6	335.4	4.7	618	57	DISC	DISC	12.5	Single Age
IOS1731_6	166.5	1.50	0.36100	0.01200	0.04634	0.00070	0.12845	311.8	9.0	292.0	4.3	380	74	DISC	DISC	6.4	Single Age
IOS1731_7	150	1.70	0.66100	0.02400	0.07280	0.00190	0.58395	513.0	14.0	453.0	11.0	710	62	DISC	DISC	11.7	Single Age
IOS1731_8	114.5	1.47	0.35500	0.01100	0.04675	0.00060	0.12989	310.9	9.3	294.5	3.7	355	72	DISC	DISC	5.3	Single Age
IOS1731_9	251.1	1.98	1.09900	0.02300	0.11730	0.00180	0.53020	752.0	11.0	715.0	10.0	810	39	715.0	10.0	4.9	Single Age
IOS1731_10	2340	1.72	0.48200	0.01100	0.05970	0.00082	0.50330	398.7	7.6	373.7	5.0	502	38	DISC	DISC	6.3	Single Age
IOS1731_11	778	2.52	0.37400	0.01000	0.04960	0.00100	0.68015	322.2	7.3	311.8	6.4	393	45	311.8	6.4	3.2	Single Age
IOS1731_12	9340	2.25	0.36000	0.02500	0.04290	0.00180	0.25076	307.0	17.0	271.0	11.0	603	82	DISC	DISC	11.7	Single Age
IOS1731_13	200	1.20	0.35600	0.01000	0.04905	0.00068	0.16208	309.0	7.9	308.6	4.2	315	65	308.6	4.2	0.1	Single Age
IOS1731_14	126.4	1.88	0.39700	0.03700	0.03965	0.00079	0.15607	333.0	26.0	250.6	4.9	870	170	DISC	DISC	24.7	Single Age
IOS1731_15	970	4.14	0.35650	0.00630	0.05003	0.00071	0.45725	309.2	4.7	314.7	4.3	295	37	314.7	4.3	1.8	Single Age
IOS1731_16	381.7	3.15	0.44800	0.01300	0.06020	0.00110	0.57884	375.1	8.8	376.6	6.4	384	52	376.6	6.4	0.4	Single Age
IOS1731_17	2330	13.20	0.31700	0.01200	0.04310	0.00150	0.91193	278.6	9.3	271.8	9.2	350	36	271.8	9.2	2.4	Rim
IOS1731_17	397	1.64	2.21000	0.11000	0.17050	0.00670	0.92170	1175.0	34.0	1014.0	37.0	1505	39	DISC	DISC	13.7	Core
IOS1731_18	251	5.07	0.32590	0.00990	0.04533	0.00070	0.44539	285.6	7.5	285.7	4.3	268	57	285.7	4.3	0.0	Single Age
IOS1731_19	319	1.49	0.36600	0.01300	0.04773	0.00086	0.21525	315.6	9.8	300.5	5.3	394	79	300.5	5.3	4.8	Single Age
IOS1731_20	1750	29.00	0.41430	0.00610	0.05604	0.00075	0.73967	351.6	4.4	351.4	4.6	335	24	351.4	4.6	0.1	Single Age
IOS1731_21	117	2.55	4.07300	0.09100	0.26030	0.00410	0.49500	1647.0	18.0	1491.0	21.0	1820	36	1820.0	36.0	18.1	Single Age

Table A2, con't.

IOS1731_22	690	5.60	0.42300	0.01000	0.04473	0.00048	0.55112	357.2	7.2	282.0	3.0	827	42	DISC	DISC	21.1	Single Age
IOS1731_23	209.6	2.82	0.76200	0.01800	0.08620	0.00130	0.53724	577.0	10.0	532.7	7.8	708	41	DISC	DISC	7.7	Single Age
IOS1731_25	634	2.50	0.82200	0.01600	0.09890	0.00140	0.75502	608.0	8.8	607.9	8.4	597	26	607.9	8.4	0.0	Single Age
IOS1731_26	1452	20.65	0.34300	0.01900	0.04110	0.00150	0.76059	297.0	14.0	259.5	9.2	574	64	DISC	DISC	12.6	Single Age
IOS1731_27	215	2.29	1.40600	0.02400	0.14890	0.00170	0.43617	890.0	10.0	894.5	9.7	870	34	894.5	9.7	0.5	Single Age
IOS1731_28	149.7	1.96	1.55100	0.03900	0.15190	0.00350	0.75827	947.0	16.0	911.0	20.0	1028	34	911.0	20.0	3.8	Single Age
IOS1731_29	492	0.50	0.91100	0.01400	0.10250	0.00130	0.37065	657.3	7.5	628.8	7.8	753	34	628.8	7.8	4.3	Single Age
IOS1731_30	249.6	5.54	0.59900	0.02300	0.07780	0.00150	0.29568	476.0	15.0	482.6	9.1	461	83	482.6	9.1	1.4	Rim
IOS1731_30	191	1.83	0.85700	0.02500	0.10380	0.00170	0.34636	627.0	14.0	636.3	9.7	583	61	636.3	9.7	1.5	Core
IOS1731_31	237	5.95	1.02600	0.07000	0.07470	0.00270	0.83860	710.0	35.0	464.0	16.0	1584	81	DISC	DISC	34.6	Single Age
IOS1731_32	37	1.08	10.64000	0.44000	0.51300	0.01600	0.73125	2488.0	38.0	2669.0	68.0	2466	66	2466.0	66.0	8.2	Rim
IOS1731_32	4100	3.69	0.36020	0.00470	0.04928	0.00074	0.62962	312.2	3.5	310.1	4.5	340	28	310.1	4.5	0.7	Core
IOS1731_33	241.7	2.16	0.37570	0.00830	0.05128	0.00079	0.44327	323.3	6.1	322.3	4.8	336	46	322.3	4.8	0.3	Single Age
IOS1731_34	245.8	1.50	0.53100	0.01500	0.06830	0.00110	0.37103	432.0	10.0	425.6	6.8	471	62	425.6	6.8	1.5	Single Age
IOS1731_35	202	1.29	0.49700	0.02500	0.06252	0.00088	0.55254	413.0	18.0	390.9	5.4	520	87	DISC	DISC	5.4	Single Age
IOS1731_36	108.7	0.77	4.10000	0.11000	0.24150	0.00530	0.72261	1651.0	21.0	1394.0	28.0	2005	29	DISC	DISC	30.5	Single Age
IOS1731_37	164.3	2.07	0.43600	0.01100	0.05922	0.00075	0.15040	366.4	7.7	370.8	4.6	328	55	370.8	4.6	1.2	Single Age
IOS1731_38	304.4	0.55	0.83300	0.01500	0.09590	0.00110	0.46311	615.4	8.8	590.1	6.5	689	36	590.1	6.5	4.1	Single Age
IOS1731_39	58	1.58	1.53800	0.05200	0.14620	0.00300	0.50343	942.0	21.0	879.0	17.0	1075	63	DISC	DISC	6.7	Single Age
IOS1731_40	40.5	1.62	2.49000	0.13000	0.25500	0.01100	0.56870	1264.0	38.0	1464.0	54.0	1043	97	DISC	DISC	15.8	Rim
IOS1731_40	1009	3.60	0.32340	0.00550	0.04345	0.00063	0.64806	284.7	4.3	274.1	3.9	344	31	274.1	3.9	3.7	Core
IOS1731_41	236	2.78	2.15900	0.04000	0.18660	0.00290	0.57121	1167.0	13.0	1103.0	16.0	1250	29	DISC	DISC	5.5	Single Age
IOS1731_43	175	1.14	1.22100	0.03700	0.10520	0.00180	0.43635	810.0	18.0	645.0	10.0	1265	59	DISC	DISC	20.4	Single Age
IOS1731_44	50.14	1.70	1.04900	0.04700	0.11300	0.00310	0.37983	725.0	23.0	690.0	18.0	774	91	690.0	18.0	4.8	Single Age
IOS1731_45	168	1.38	0.43900	0.01200	0.05737	0.00078	0.24293	368.3	8.3	359.5	4.7	374	59	359.5	4.7	2.4	Single Age
IOS1731_47	470	2.47	0.48000	0.01300	0.05701	0.00099	0.15208	398.1	9.3	357.3	6.0	590	67	DISC	DISC	10.2	Single Age

Table A2, con't.

IOS1731_48	2348	5.41	0.38080	0.00470	0.05072	0.00056	0.69839	327.5	3.5	318.9	3.4	351	21	318.9	3.4	2.6	Single Age
IOS1731_49	479	1.66	0.36650	0.00800	0.04892	0.00059	0.34727	316.7	5.9	307.8	3.6	352	46	307.8	3.6	2.8	Single Age
IOS1731_50	245.8	1.60	0.64700	0.01300	0.08460	0.00110	0.53681	506.3	8.4	523.7	6.6	413	40	523.7	6.6	3.4	Single Age
IOS1731_51	3190	3.18	0.34070	0.00810	0.04629	0.00098	0.83622	297.4	6.2	291.7	6.0	344	29	291.7	6.0	1.9	Single Age
IOS1731_201	430	1.52	0.36860	0.00670	0.04921	0.00052	0.33710	318.2	5.0	309.6	3.2	350	40	309.6	3.2	2.7	Single Age
IOS1731_202	5370	11.47	0.32250	0.00630	0.04123	0.00066	0.64782	283.5	4.8	260.4	4.1	467	32	DISC	DISC	8.1	Single Age
IOS1731_203	420	7.20	0.84300	0.02600	0.09290	0.00120	0.46383	619.0	14.0	572.6	7.0	768	52	DISC	DISC	7.5	Single Age
IOS1731_204	607	2.34	0.36970	0.00730	0.05132	0.00081	0.42670	319.1	5.4	322.6	5.0	266	44	322.6	5.0	1.1	Single Age
IOS1731_205	2537	9.31	0.38190	0.00440	0.05113	0.00060	0.59228	328.3	3.2	321.4	3.7	359	23	321.4	3.7	2.1	Single Age
IOS1731_206	24.03	1.89	1.25200	0.04700	0.10860	0.00270	0.05327	820.0	21.0	664.0	15.0	1244	93	DISC	DISC	19.0	Single Age
IOS1731_207	294.3	2.59	2.57000	0.06500	0.17140	0.00310	0.77365	1291.0	19.0	1020.0	17.0	1778	33	DISC	DISC	21.0	Single Age
IOS1731_208	613	2.02	0.38580	0.00640	0.05220	0.00054	0.48576	331.0	4.7	328.0	3.3	356	36	328.0	3.3	0.9	Single Age
IOS1731_209	1200	9.00	0.45300	0.02500	0.05760	0.00260	0.65040	378.0	17.0	361.0	16.0	464	96	361.0	16.0	4.5	Rim
IOS1731_209	268.7	1.57	0.55200	0.01100	0.07046	0.00074	0.31680	445.7	7.0	438.9	4.5	466	45	438.9	4.5	1.5	Core
IOS1731_211	515	1.95	0.37270	0.00620	0.05068	0.00058	0.30741	321.3	4.6	318.7	3.6	322	38	318.7	3.6	0.8	Single Age
IOS1731_212	442	1.28	0.51800	0.01000	0.06793	0.00076	0.47148	423.1	6.7	423.7	4.6	411	39	423.7	4.6	0.1	Single Age
IOS1731_213	1110	1.02	0.64700	0.02100	0.07910	0.00220	0.79473	506.0	13.0	491.0	13.0	577	43	491.0	13.0	3.0	Single Age
IOS1731_214	422	1.43	0.36490	0.00880	0.04897	0.00057	0.00500	316.4	6.8	308.2	3.5	347	62	308.2	3.5	2.6	Single Age
IOS1731_215	428	3.47	0.36700	0.01100	0.04950	0.00120	0.54097	316.9	8.1	311.3	7.1	344	59	311.3	7.1	1.8	Single Age
IOS1731_216	190.2	1.72	10.37000	0.16000	0.42560	0.00590	0.80090	2468.0	14.0	2285.0	27.0	2614	17	2614.0	17.0	12.6	Single Age
IOS1731_217	688	3.62	0.37260	0.00470	0.05132	0.00042	0.32320	321.4	3.4	322.6	2.6	300	28	322.6	2.6	0.4	Single Age
IOS1731_218	1000	1.76	0.35350	0.00520	0.04739	0.00059	0.48717	307.1	3.9	298.5	3.6	364	34	298.5	3.6	2.8	Single Age
IOS1731_219	424	5.08	0.37290	0.00710	0.05076	0.00077	0.29297	321.3	5.2	319.1	4.7	315	46	319.1	4.7	0.7	Single Age
IOS1731_220	1156	17.10	0.37400	0.01100	0.04940	0.00150	0.57160	322.0	8.3	310.8	9.3	374	63	310.8	9.3	3.5	Rim
IOS1731_220	311	2.86	1.99400	0.04100	0.13540	0.00290	0.47549	1113.0	14.0	819.0	17.0	1724	44	DISC	DISC	26.4	Core
IOS1731_222	151	1.49	1.24800	0.03400	0.13310	0.00170	0.45179	821.0	15.0	805.3	9.7	845	53	805.3	9.7	1.9	Single Age

Table A2, con't.

IOS1731_223	561	1.25	0.76300	0.01600	0.09170	0.00140	0.55990	574.7	9.0	565.3	8.3	590	38	565.3	8.3	1.6	Single Age
IOS1731_224	559	1.88	0.41900	0.01600	0.04753	0.00082	0.26407	353.0	11.0	299.3	5.0	694	75	DISC	DISC	15.2	Single Age
IOS1731_225	261	17.60	0.39700	0.02000	0.05180	0.00300	0.30250	339.0	14.0	325.0	18.0	420	140	325.0	18.0	4.1	Rim
IOS1731_225	387	1.63	3.02000	0.14000	0.21800	0.00940	0.96211	1404.0	36.0	1269.0	49.0	1613	24	1613.0	24.0	21.3	Core
IOS1731_226	810	8.30	0.38170	0.00610	0.05193	0.00064	0.45799	328.0	4.5	326.3	3.9	310	41	326.3	3.9	0.5	Single Age
IOS1731_227	910	24.60	0.37600	0.01400	0.05050	0.00130	0.48006	323.0	10.0	317.7	7.8	331	72	317.7	7.8	1.6	Rim
IOS1731_227	340.1	5.94	4.04000	0.25000	0.20000	0.01000	0.96748	1620.0	52.0	1172.0	55.0	2270	35	DISC	DISC	27.7	Core
IOS1731_228	988	3.97	0.41970	0.00790	0.05045	0.00071	0.27769	355.6	5.7	317.3	4.3	595	44	DISC	DISC	10.8	Single Age
IOS1731_229	388	1.73	1.48200	0.03400	0.14790	0.00290	0.68183	922.0	14.0	889.0	16.0	990	36	889.0	16.0	3.6	Single Age
IOS1731_230	1360	2.54	0.37580	0.00460	0.05068	0.00046	0.44898	323.7	3.4	318.7	2.8	335	27	318.7	2.8	1.5	Single Age
IOS1731_231	417	1.56	0.36930	0.00920	0.04751	0.00080	0.43267	318.4	6.8	299.2	4.9	424	50	DISC	DISC	6.0	Single Age
IOS1731_232	177.2	1.70	0.42700	0.01200	0.05368	0.00074	0.19092	359.9	8.2	337.0	4.5	490	62	DISC	DISC	6.4	Single Age
IOS1731_233	1160	21.50	0.38100	0.01500	0.05080	0.00120	0.76916	327.0	10.0	319.2	7.6	358	68	319.2	7.6	2.4	Single Age

Table A3. Detrital Zircon U-Pb Analyses and Ages from Metasedimentary Rocks. Best Age is filtered for <10% discordance.

SAMPLE NAME: IOS1603																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1603_1	92.7	1.99	1.37500	0.04700	0.13920	0.00290	0.30723	874.0	20.0	840.0	16.0	935	72	840.0	16.0	3.9	Single Age
IOS1603_2	298	1.48	9.35000	0.13000	0.42540	0.00540	0.77807	2372.0	12.0	2283.0	25.0	2444	15	2444.0	15.0	6.6	Single Age
IOS1603_3	214	4.18	1.23100	0.07800	0.11390	0.00390	0.64131	793.0	33.0	694.0	22.0	1051	87	DISC	DISC	12.5	Single Age
IOS1603_4	177	2.30	0.88700	0.02100	0.10250	0.00190	0.51702	643.0	11.0	629.0	11.0	688	50	629.0	11.0	2.2	Single Age
IOS1603_5	350	1.04	0.91000	0.01700	0.10690	0.00170	0.53270	655.6	8.8	654.6	9.9	641	34	654.6	9.9	0.2	Single Age
IOS1603_6	193.2	2.26	1.30100	0.02300	0.13990	0.00180	0.51071	845.0	10.0	844.0	10.0	843	38	844.0	10.0	0.1	Single Age
IOS1603_7	189.8	0.75	0.81300	0.03600	0.09780	0.00290	0.66434	601.0	20.0	601.0	17.0	578	73	601.0	17.0	0.0	Single Age
IOS1603_8	291	2.00	1.09400	0.03800	0.11340	0.00320	0.68144	749.0	19.0	692.0	18.0	907	85	DISC	DISC	7.6	Single Age
IOS1603_9	290.9	1.38	0.89000	0.01500	0.10410	0.00120	0.35783	645.6	8.0	638.5	7.1	658	36	638.5	7.1	1.1	Single Age
IOS1603_10	175.1	1.02	1.12100	0.03500	0.12430	0.00290	0.55110	760.0	17.0	755.0	17.0	789	51	755.0	17.0	0.7	Single Age
IOS1603_11	472	35.70	0.78600	0.01200	0.09470	0.00100	0.52392	587.8	6.8	583.0	6.1	597	28	583.0	6.1	0.8	Single Age
IOS1603_12	63.3	2.63	0.81500	0.02700	0.09830	0.00130	0.13625	602.0	15.0	604.4	7.9	558	73	604.4	7.9	0.4	Single Age
IOS1603_13	98.8	0.97	7.42000	0.10000	0.33530	0.00370	0.57506	2160.0	13.0	1863.0	18.0	2451	20	2451.0	20.0	24.0	Single Age
IOS1603_14	128.4	2.17	0.91800	0.01900	0.10750	0.00110	0.17940	660.0	10.0	658.1	6.6	654	44	658.1	6.6	0.3	Single Age
IOS1603_15	222	0.72	1.63800	0.03100	0.16410	0.00260	0.51350	982.0	12.0	979.0	14.0	983	35	979.0	14.0	0.3	Single Age
IOS1603_16	428	2.10	9.67000	0.25000	0.44390	0.00930	0.81022	2397.0	24.0	2364.0	42.0	2431	25	2431.0	25.0	2.8	Single Age
IOS1603_17	164.4	1.37	1.12000	0.02000	0.12390	0.00160	0.34073	761.5	9.6	752.9	9.2	777	38	752.9	9.2	1.1	Single Age
IOS1603_18	517	7.57	1.04800	0.01400	0.11780	0.00120	0.47999	727.4	7.1	717.9	6.9	750	26	717.9	6.9	1.3	Single Age
IOS1603_19	299	1.08	1.10800	0.02200	0.11440	0.00180	0.23409	756.0	10.0	698.0	11.0	930	46	DISC	DISC	7.7	Single Age
IOS1603_20	150.3	3.29	0.85700	0.01800	0.10620	0.00160	0.28773	626.6	9.8	650.4	9.3	519	50	650.4	9.3	3.8	Single Age

Table A3, con't.

IOS1603_21	46.9	1.74	1.31800	0.03800	0.14030	0.00200	0.18951	849.0	17.0	846.0	11.0	836	63	846.0	11.0	0.4	Single Age
IOS1603_22	193.4	0.95	0.91800	0.01600	0.10770	0.00120	0.30820	659.8	8.7	659.2	7.3	653	39	659.2	7.3	0.1	Single Age
IOS1603_23	248	1.36	0.80900	0.01500	0.09647	0.00087	0.23083	600.4	8.6	593.6	5.1	609	42	593.6	5.1	1.1	Single Age
IOS1603_24	57	0.72	0.84000	0.02700	0.09810	0.00140	0.01021	615.0	15.0	603.4	8.5	639	76	603.4	8.5	1.9	Single Age
IOS1603_25	75.5	0.88	5.12000	0.10000	0.31700	0.00560	0.57435	1834.0	17.0	1773.0	27.0	1902	32	1902.0	32.0	6.8	Single Age
IOS1603_26	458.2	2.36	1.10400	0.01300	0.12240	0.00130	0.48893	754.7	6.3	744.3	7.5	776	25	744.3	7.5	1.4	Single Age
IOS1603_27	340	4.77	1.17300	0.02300	0.13200	0.00210	0.62667	786.0	11.0	799.0	12.0	738	37	799.0	12.0	1.7	Single Age
IOS1603_28	282	0.81	11.38000	0.15000	0.46020	0.00630	0.71527	2552.0	13.0	2438.0	28.0	2641	18	2641.0	18.0	7.7	Single Age
IOS1603_29	99.9	1.05	1.71100	0.03200	0.17120	0.00240	0.42656	1011.0	12.0	1020.0	13.0	988	37	1020.0	13.0	0.9	Single Age
IOS1603_30	266	1.33	0.88700	0.02000	0.10270	0.00170	0.58890	646.0	10.0	630.0	9.7	660	40	630.0	9.7	2.5	Single Age
IOS1603_31	36.1	0.88	0.81600	0.03200	0.09960	0.00190	0.11577	605.0	18.0	612.0	11.0	548	89	612.0	11.0	1.2	Single Age
IOS1603_32	161	2.50	1.82800	0.03200	0.17690	0.00220	0.30161	1053.0	11.0	1050.0	12.0	1044	30	1050.0	12.0	0.3	Single Age
IOS1603_33	42.6	1.14	0.85200	0.03100	0.10220	0.00210	0.12684	625.0	18.0	627.0	12.0	593	84	627.0	12.0	0.3	Single Age
IOS1603_34	152	1.03	3.23200	0.04900	0.23070	0.00230	0.50353	1465.0	12.0	1338.0	12.0	1650	27	1650.0	27.0	18.9	Single Age
IOS1603_35	153.2	1.22	0.85700	0.01600	0.10400	0.00098	0.13826	627.0	8.7	637.7	5.7	577	41	637.7	5.7	1.7	Single Age
IOS1603_36	49.7	3.11	1.15400	0.04000	0.12820	0.00220	0.09971	774.0	19.0	777.0	12.0	746	81	777.0	12.0	0.4	Single Age
IOS1603_37	101.2	3.10	1.11500	0.04600	0.12160	0.00340	0.23517	757.0	22.0	739.0	19.0	784	92	739.0	19.0	2.4	Single Age
IOS1603_38	976	61.00	0.96940	0.00890	0.11062	0.00085	0.40792	687.8	4.6	676.3	4.9	719	20	676.3	4.9	1.7	Single Age
IOS1603_39	42.9	2.54	1.06300	0.04100	0.11270	0.00260	0.23478	728.0	20.0	688.0	15.0	820	82	DISC	DISC	5.5	Single Age
IOS1603_40	611	19.40	0.84100	0.01600	0.10070	0.00190	0.29407	618.9	8.9	618.0	11.0	614	54	618.0	11.0	0.1	Single Age
IOS1603_41	106	4.31	0.86100	0.03200	0.10380	0.00310	0.42068	626.0	18.0	636.0	18.0	568	80	636.0	18.0	1.6	Single Age
IOS1603_42	950	11.48	0.84100	0.05100	0.09410	0.00450	0.76130	616.0	27.0	579.0	26.0	729	91	DISC	DISC	6.0	Rim
IOS1603_42	423	5.53	0.97700	0.02700	0.10900	0.00250	0.59390	690.0	14.0	666.0	15.0	739	50	666.0	15.0	3.5	Core
IOS1603_43	976	13.15	0.95000	0.01700	0.10960	0.00190	0.52603	677.2	8.7	670.0	11.0	698	34	670.0	11.0	1.1	Single Age
IOS1603_44	412	2.03	1.05100	0.03600	0.11230	0.00370	0.35004	728.0	17.0	686.0	21.0	872	80	DISC	DISC	5.8	Single Age
IOS1603_45	1270	24.80	0.82100	0.01800	0.09960	0.00230	0.73803	608.0	9.8	612.0	13.0	594	42	612.0	13.0	0.7	Rim

Table A3, con't.

IOS1603_45	186.6	0.54	1.59800	0.03500	0.16170	0.00220	0.56570	968.0	14.0	966.0	12.0	958	39	966.0	12.0	0.2	Core
IOS1603_46	47.4	1.26	1.70900	0.05400	0.16290	0.00290	0.46499	1015.0	21.0	972.0	16.0	1082	59	972.0	16.0	4.2	Single Age
IOS1603_47	313	2.09	1.78900	0.04300	0.16730	0.00290	0.69538	1038.0	15.0	996.0	16.0	1117	33	996.0	16.0	4.0	Single Age
IOS1603_48	300	1.53	0.80900	0.02000	0.09610	0.00220	0.53073	600.0	11.0	591.0	13.0	627	48	591.0	13.0	1.5	Single Age
IOS1603_49	1477	5.61	0.72800	0.02100	0.08920	0.00270	0.56862	552.0	12.0	550.0	16.0	529	55	550.0	16.0	0.4	Single Age
IOS1603_50	181.3	1.37	1.02500	0.02400	0.12040	0.00220	0.45838	714.0	12.0	733.0	12.0	650	49	733.0	12.0	2.7	Single Age
IOS1603_51	93.4	1.42	0.99500	0.02700	0.11400	0.00180	0.27052	699.0	14.0	696.0	11.0	699	56	696.0	11.0	0.4	Single Age
IOS1603_52	86.3	0.92	1.25900	0.03800	0.13890	0.00340	0.52055	822.0	17.0	837.0	19.0	779	56	837.0	19.0	1.8	Single Age
IOS1603_53	194	2.10	7.48000	0.14000	0.38910	0.00540	0.75260	2164.0	17.0	2120.0	26.0	2210	21	2210.0	21.0	4.1	Single Age
IOS1603_54	214	0.98	1.56200	0.02400	0.15850	0.00150	0.52789	955.3	9.7	948.4	8.4	959	30	948.4	8.4	0.7	Single Age
IOS1603_55	323	7.92	12.38000	0.12000	0.46320	0.00410	0.59339	2632.7	8.8	2456.0	19.0	2766	14	2766.0	14.0	11.2	Single Age
IOS1603_56	45.4	1.46	1.23100	0.03600	0.13370	0.00210	0.14466	810.0	16.0	808.0	12.0	792	64	808.0	12.0	0.2	Single Age
IOS1603_57	580	6.28	0.93500	0.02100	0.10950	0.00250	0.51558	668.0	11.0	669.0	15.0	677	46	669.0	15.0	0.1	Single Age
IOS1603_58	1399	12.78	0.86400	0.01200	0.10060	0.00140	0.56322	632.0	6.5	617.8	8.4	673	30	617.8	8.4	2.2	Single Age
IOS1603_59	350	4.26	5.52500	0.08200	0.31730	0.00370	0.71379	1902.0	13.0	1776.0	18.0	2034	19	2034.0	19.0	12.7	Single Age
IOS1603_60	166.7	1.53	10.38100	0.08200	0.46030	0.00300	0.48220	2468.4	7.3	2440.0	13.0	2489	13	2489.0	13.0	2.0	Single Age
IOS1603_61	74.9	2.48	1.06300	0.03000	0.11880	0.00190	0.33355	731.0	15.0	723.0	11.0	734	60	723.0	11.0	1.1	Single Age
IOS1603_62	293	1.97	1.28800	0.01900	0.13880	0.00150	0.34556	839.2	8.5	837.8	8.3	842	30	837.8	8.3	0.2	Single Age
IOS1603_63	655	33.00	0.99300	0.01100	0.11450	0.00100	0.45038	699.7	5.6	698.8	5.8	697	23	698.8	5.8	0.1	Single Age
IOS1603_64	210	3.70	0.83700	0.01600	0.10160	0.00110	0.30273	617.4	8.6	623.7	6.3	574	40	623.7	6.3	1.0	Single Age
IOS1603_65	221.8	2.11	1.08000	0.02000	0.12110	0.00170	0.50305	743.3	9.7	736.4	9.6	764	36	736.4	9.6	0.9	Single Age
IOS1603_66	718	1.31	0.93400	0.01500	0.10940	0.00160	0.53535	668.9	7.7	668.8	9.5	661	31	668.8	9.5	0.0	Single Age
IOS1603_67	111.2	1.45	1.43600	0.05400	0.15190	0.00540	0.69335	895.0	22.0	909.0	30.0	850	61	909.0	30.0	1.6	Single Age
IOS1603_68	326	5.82	6.35000	0.06200	0.37270	0.00330	0.65080	2024.0	8.7	2042.0	15.0	2003	14	2003.0	14.0	1.9	Single Age
IOS1603_69	355.3	54.50	0.95900	0.01800	0.10940	0.00120	0.39504	681.1	9.5	668.9	7.2	707	40	668.9	7.2	1.8	Single Age

Table A3, con't.

IOS1603_70	539	2.02	1.00500	0.02000	0.11250	0.00160	0.22965	705.0	10.0	686.8	9.3	744	36	686.8	9.3	2.6	Single Age
IOS1603_71	284.1	0.90	0.92000	0.01500	0.10870	0.00150	0.45360	661.0	8.2	664.8	8.8	636	35	664.8	8.8	0.6	Single Age
IOS1603_72	481	2.63	1.10100	0.01900	0.12220	0.00200	0.56402	752.2	9.5	743.0	11.0	769	32	743.0	11.0	1.2	Single Age
IOS1603_73	410	6.12	0.91700	0.05900	0.11230	0.00750	0.69461	658.0	32.0	685.0	43.0	570	110	685.0	43.0	4.1	Rim
IOS1603_73	122.7	1.00	1.24900	0.04500	0.12800	0.00290	0.45766	817.0	20.0	776.0	17.0	913	67	DISC	DISC	5.0	Core
IOS1603_74	100.7	1.22	0.86900	0.02300	0.10460	0.00190	0.21482	634.0	13.0	641.0	11.0	599	61	641.0	11.0	1.1	Single Age
IOS1603_75	288.6	1.65	9.51000	0.24000	0.39710	0.00890	0.70260	2384.0	24.0	2151.0	41.0	2604	34	2604.0	34.0	17.4	Single Age
IOS1603_76	274	0.97	1.19100	0.02700	0.13040	0.00220	0.56841	795.0	12.0	790.0	12.0	814	38	790.0	12.0	0.6	Single Age
IOS1603_77	84.5	1.04	0.83500	0.02800	0.10110	0.00180	0.36035	616.0	15.0	621.0	11.0	585	70	621.0	11.0	0.8	Single Age
IOS1603_78	138.9	1.66	1.01300	0.02300	0.11320	0.00140	0.22623	708.0	12.0	691.4	8.0	751	48	691.4	8.0	2.3	Single Age
IOS1603_79	116.5	2.63	0.88600	0.02000	0.10660	0.00110	0.16248	645.0	11.0	653.1	6.6	598	53	653.1	6.6	1.3	Single Age
IOS1603_80	69	0.90	0.82600	0.02400	0.09760	0.00130	0.11778	610.0	14.0	600.1	7.7	623	66	600.1	7.7	1.6	Single Age
IOS1603_81	235	2.77	1.44700	0.02600	0.15050	0.00220	0.47966	906.0	11.0	903.0	12.0	918	37	903.0	12.0	0.3	Single Age
IOS1603_82	269.8	2.90	1.23300	0.01900	0.13440	0.00150	0.52464	814.4	8.7	812.5	8.4	815	29	812.5	8.4	0.2	Single Age
IOS1603_83	44.51	1.19	1.23300	0.04600	0.13910	0.00240	0.36496	811.0	21.0	839.0	14.0	712	75	839.0	14.0	3.5	Single Age
IOS1603_84	1181	43.30	1.01800	0.03200	0.11100	0.00340	0.48674	716.0	18.0	678.0	20.0	839	71	DISC	DISC	5.3	Rim
IOS1603_84	115.2	1.38	1.40700	0.03800	0.15310	0.00270	0.39067	895.0	16.0	918.0	15.0	828	54	918.0	15.0	2.6	Core
IOS1603_85	349	2.77	9.87000	0.15000	0.43040	0.00730	0.66889	2421.0	14.0	2306.0	33.0	2522	22	2522.0	22.0	8.6	Single Age
IOS1603_86	214	2.83	0.91000	0.03400	0.10190	0.00280	0.38477	654.0	18.0	625.0	17.0	732	78	625.0	17.0	4.4	Single Age
IOS1603_87	172.3	2.05	0.90900	0.02100	0.10760	0.00210	0.39324	655.0	11.0	658.0	12.0	630	52	658.0	12.0	0.5	Single Age
IOS1603_88	152	1.18	0.90300	0.02900	0.10290	0.00260	0.45165	649.0	16.0	631.0	15.0	723	66	631.0	15.0	2.8	Single Age
IOS1603_89	140.9	1.52	0.93100	0.02000	0.10930	0.00220	0.39958	667.0	11.0	670.0	13.0	657	51	670.0	13.0	0.4	Single Age
IOS1603_90	152.1	0.87	1.05800	0.02900	0.11790	0.00250	0.49094	729.0	14.0	718.0	14.0	772	52	718.0	14.0	1.5	Single Age
IOS1603_91	215.8	2.27	1.61500	0.02700	0.16300	0.00250	0.41049	975.0	10.0	973.0	14.0	972	37	973.0	14.0	0.2	Single Age
IOS1603_92	400	1.47	10.13000	0.42000	0.42100	0.01300	0.69204	2423.0	36.0	2264.0	62.0	2572	53	2572.0	53.0	12.0	Single Age
IOS1603_93	239.3	6.97	0.84700	0.02100	0.10460	0.00250	0.54461	622.0	11.0	641.0	15.0	553	53	641.0	15.0	3.1	Single Age

Table A3, con't.

IOS1603_94	126	44.60	0.91700	0.02200	0.10210	0.00110	0.02199	659.0	12.0	626.8	6.2	753	56	626.8	6.2	4.9	Single Age
IOS1603_95	517	8.89	1.20600	0.02300	0.13110	0.00170	0.54580	802.0	11.0	796.0	10.0	826	34	796.0	10.0	0.7	Rim
IOS1603_95	119.5	2.63	1.70400	0.04600	0.16890	0.00220	0.22070	1008.0	18.0	1006.0	12.0	1003	56	1006.0	12.0	0.2	Core
IOS1603_96	557	5.93	1.03500	0.02400	0.11390	0.00220	0.58180	722.0	13.0	695.0	13.0	813	44	695.0	13.0	3.7	Single Age
IOS1603_97	45.8	2.15	1.17900	0.03700	0.12890	0.00260	0.29020	786.0	17.0	783.0	14.0	787	69	783.0	14.0	0.4	Single Age
IOS1603_98	139	2.36	1.11100	0.02000	0.12620	0.00150	0.18829	757.0	9.9	766.0	8.6	732	42	766.0	8.6	1.2	Single Age
IOS1603_99	173	3.41	0.89300	0.01900	0.10580	0.00140	0.35838	646.0	10.0	648.3	8.3	612	47	648.3	8.3	0.4	Single Age
IOS1603_100	79.6	4.48	0.91400	0.02800	0.10780	0.00210	0.30119	659.0	16.0	659.0	12.0	636	68	659.0	12.0	0.0	Single Age
IOS1603_101	1360	163.00	1.03300	0.05700	0.12240	0.00870	0.64879	718.0	28.0	743.0	50.0	660	100	743.0	50.0	3.5	Rim
IOS1603_101	195.9	0.67	5.32900	0.07700	0.34070	0.00510	0.53423	1872.0	12.0	1889.0	25.0	1858	24	1858.0	24.0	1.7	Core
IOS1603_102	120	2.47	0.89800	0.02000	0.10840	0.00200	0.35570	650.0	11.0	663.0	12.0	590	53	663.0	12.0	2.0	Single Age
IOS1603_103	260.4	1.01	1.15600	0.01800	0.12850	0.00190	0.47917	780.0	8.6	779.0	11.0	786	34	779.0	11.0	0.1	Single Age
IOS1603_104	47.3	1.43	0.74200	0.06800	0.07170	0.00230	0.35127	553.0	36.0	446.0	14.0	960	170	DISC	DISC	19.3	Single Age
IOS1603_105	896	24.40	5.92000	0.13000	0.34100	0.00770	0.73767	1962.0	19.0	1888.0	38.0	2039	29	2039.0	29.0	7.4	Single Age
IOS1603_106	168	2.21	0.92200	0.02200	0.10880	0.00150	0.34382	663.0	12.0	665.7	8.9	646	51	665.7	8.9	0.4	Single Age
IOS1603_107	1857	15.90	0.96200	0.03200	0.11350	0.00390	0.67772	681.0	17.0	692.0	23.0	661	59	692.0	23.0	1.6	Single Age
IOS1603_108	98	0.85	4.71000	0.16000	0.30330	0.00880	0.64986	1757.0	29.0	1703.0	44.0	1839	50	1839.0	50.0	7.4	Single Age
IOS1603_109	88.8	0.60	1.60500	0.03300	0.16400	0.00200	0.27297	969.0	13.0	979.0	11.0	947	44	979.0	11.0	1.0	Single Age
IOS1603_110	254	2.34	1.08200	0.01900	0.12290	0.00160	0.44324	743.0	9.5	747.1	9.3	728	37	747.1	9.3	0.6	Single Age
IOS1603_112	113.2	2.59	4.89700	0.05900	0.31010	0.00300	0.31056	1800.0	10.0	1740.0	15.0	1875	24	1875.0	24.0	7.2	Single Age
IOS1603_113	639	4.40	1.02900	0.02700	0.11320	0.00290	0.40049	716.0	14.0	691.0	17.0	809	56	691.0	17.0	3.5	Single Age
IOS1603_115	299	2.12	1.02600	0.03300	0.11760	0.00320	0.48999	715.0	17.0	716.0	19.0	712	69	716.0	19.0	0.1	Single Age
IOS1603_116	105.2	1.83	1.33200	0.04300	0.13830	0.00370	0.33894	856.0	19.0	834.0	21.0	924	71	834.0	21.0	2.6	Single Age
IOS1603_117	91.2	0.45	0.85100	0.02800	0.10480	0.00200	0.28906	622.0	15.0	642.0	12.0	540	69	642.0	12.0	3.2	Single Age
IOS1603_118	107	1.53	1.49300	0.03400	0.15810	0.00220	0.32344	926.0	14.0	946.0	12.0	898	44	946.0	12.0	2.2	Single Age
IOS1603_119	98.5	0.78	1.72300	0.03700	0.17170	0.00250	0.33519	1016.0	13.0	1021.0	14.0	998	44	1021.0	14.0	0.5	Single Age

Table A3, con't.

IOS1603_120	66.9	0.90	12.20000	0.12000	0.49580	0.00410	0.42516	2618.1	9.3	2595.0	18.0	2638	16	2638.0	16.0	1.6	Single Age
IOS1603_121	329	3.28	6.66200	0.07400	0.38470	0.00460	0.64945	2065.8	9.8	2097.0	22.0	2047	16	2047.0	16.0	2.4	Single Age
IOS1603_122	881	3.11	1.47900	0.03600	0.15260	0.00300	0.66338	926.0	15.0	915.0	17.0	961	38	915.0	17.0	1.2	Rim
IOS1603_122	369	1.07	1.65500	0.02900	0.16840	0.00250	0.60567	990.0	11.0	1003.0	14.0	973	31	1003.0	14.0	1.3	Core
IOS1603_123	247.4	3.44	0.87200	0.02400	0.09990	0.00150	0.13504	635.0	13.0	613.5	8.7	707	59	613.5	8.7	3.4	Single Age
IOS1603_124	205.5	1.44	1.47600	0.02600	0.15630	0.00180	0.27036	919.0	10.0	935.9	9.9	881	38	935.9	9.9	1.8	Single Age
IOS1603_125	96.7	0.83	0.82400	0.02600	0.09720	0.00130	0.20314	608.0	15.0	597.7	7.7	632	70	597.7	7.7	1.7	Single Age
IOS1603_126	131.9	2.94	1.02200	0.02100	0.11610	0.00170	0.17905	713.0	11.0	708.0	9.5	722	50	708.0	9.5	0.7	Single Age
IOS1603_127	144.2	22.16	0.80300	0.02200	0.09170	0.00160	0.29447	596.0	12.0	565.2	9.3	711	59	DISC	DISC	5.2	Single Age
IOS1603_128	168	1.92	0.85700	0.01800	0.10382	0.00091	0.31274	627.0	9.9	636.7	5.3	596	43	636.7	5.3	1.5	Single Age
IOS1603_129	270	31.50	0.81300	0.01700	0.09720	0.00150	0.53415	603.7	9.5	597.7	8.8	626	39	597.7	8.8	1.0	Single Age
IOS1603_130	101.9	3.16	0.91200	0.02400	0.10220	0.00150	0.17473	658.0	12.0	627.3	8.8	771	56	627.3	8.8	4.7	Single Age
IOS1603_131	456	2.49	1.25800	0.02500	0.13900	0.00260	0.46861	826.0	11.0	839.0	14.0	804	42	839.0	14.0	1.6	Single Age
IOS1603_132	132.8	1.14	0.89900	0.02500	0.09350	0.00260	0.49674	651.0	14.0	576.0	15.0	940	61	DISC	DISC	11.5	Single Age
IOS1603_133	114.3	1.85	0.79600	0.02400	0.09530	0.00170	0.24979	592.0	14.0	587.0	10.0	607	68	587.0	10.0	0.8	Single Age
IOS1603_134	441	2.81	1.24400	0.03300	0.13760	0.00400	0.48250	819.0	15.0	830.0	23.0	806	58	830.0	23.0	1.3	Single Age
IOS1603_135	173	2.88	0.92900	0.02300	0.11020	0.00190	0.20934	665.0	12.0	674.0	11.0	634	53	674.0	11.0	1.4	Single Age
IOS1603_136	269	4.62	6.49000	0.23000	0.37600	0.01400	0.70722	2031.0	31.0	2047.0	68.0	2053	55	2053.0	55.0	0.3	Single Age
IOS1603_137	497	10.82	6.20500	0.07400	0.35830	0.00330	0.63955	2003.0	10.0	1973.0	16.0	2039	16	2039.0	16.0	3.2	Single Age
IOS1603_138	102.2	1.22	1.59700	0.02900	0.16210	0.00150	0.21480	967.0	11.0	968.2	8.6	980	37	968.2	8.6	0.1	Single Age
IOS1603_139	148.8	1.29	1.09000	0.03200	0.12230	0.00250	0.47961	746.0	15.0	744.0	14.0	764	56	744.0	14.0	0.3	Single Age
IOS1603_140	849	1.27	0.75100	0.00960	0.09432	0.00085	0.42408	568.2	5.6	581.0	5.0	527	25	581.0	5.0	2.3	Single Age
IOS1603_141	186.6	9.26	0.88400	0.02300	0.10590	0.00210	0.57225	641.0	12.0	650.0	12.0	612	44	650.0	12.0	1.4	Single Age

Table A3, con't.

SAMPLE NAME: IOS1604																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**BEST AGE (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1604_1	94.8	0.73	5.09400	0.05900	0.32660	0.00280	0.14527	1833.8	9.8	1821.0	14.0	1850	25	1850.0	25.0	1.6	Single Age
IOS1604_2	2438	69.10	0.38700	0.01600	0.05290	0.00140	0.63899	332.0	12.0	332.5	8.6	331	74	332.5	8.6	0.2	Rim
IOS1604_2	1458	17.60	0.86100	0.01100	0.10210	0.00120	0.65389	630.5	6.0	626.5	7.1	649	22	626.5	7.1	0.6	Core
IOS1604_3	155.4	2.95	0.91800	0.02200	0.10710	0.00140	0.40769	660.0	12.0	655.6	8.4	674	47	655.6	8.4	0.7	Single Age
IOS1604_4	1273	41.00	0.39400	0.01000	0.05250	0.00097	0.49339	337.1	7.4	329.8	6.0	390	53	329.8	6.0	2.2	Rim
IOS1604_4	42.3	1.61	0.92400	0.03400	0.10610	0.00200	0.18311	661.0	18.0	650.0	12.0	682	83	650.0	12.0	1.7	Core
IOS1604_5	401	1.77	4.44000	0.10000	0.27610	0.00520	0.92712	1724.0	17.0	1575.0	25.0	1904	17	1904.0	17.0	17.3	Single Age
IOS1604_6	2164	126.00	0.42100	0.01500	0.05590	0.00170	0.51517	357.0	11.0	351.0	10.0	401	80	351.0	10.0	1.7	Rim
IOS1604_6	197	1.84	1.00800	0.02300	0.11540	0.00110	0.06524	706.0	12.0	704.2	6.2	707	52	704.2	6.2	0.3	Core
IOS1604_7	906	3.22	2.61700	0.03900	0.22210	0.00310	0.74237	1304.0	11.0	1292.0	17.0	1325	15	1325.0	15.0	2.5	Single Age
IOS1604_8	310	1.19	1.62900	0.02800	0.16060	0.00220	0.41970	981.0	11.0	960.0	12.0	1035	37	960.0	12.0	2.1	Single Age
IOS1604_9	450.2	4.13	8.80000	0.21000	0.39060	0.00750	0.94690	2308.0	24.0	2122.0	35.0	2486	16	2486.0	16.0	14.6	Single Age
IOS1604_10	228	0.83	1.18800	0.02200	0.12670	0.00160	0.42052	793.0	10.0	768.7	9.1	862	37	768.7	9.1	3.1	Single Age
IOS1604_13	145	0.90	1.60700	0.03600	0.16400	0.00230	0.43993	971.0	14.0	979.0	13.0	953	43	979.0	13.0	0.8	Single Age
IOS1604_16	386	2.18	0.66400	0.02800	0.08050	0.00170	0.63833	516.0	17.0	499.0	10.0	590	70	499.0	10.0	3.3	Single Age
IOS1604_17	73.2	1.06	0.75100	0.02000	0.08980	0.00100	0.07309	567.0	11.0	554.1	6.0	597	61	554.1	6.0	2.3	Single Age
IOS1604_18	91.6	2.06	1.51100	0.03600	0.15570	0.00280	0.17567	933.0	14.0	933.0	15.0	944	59	933.0	15.0	0.0	Single Age
IOS1604_19	76.4	1.78	1.01800	0.02300	0.12120	0.00120	0.08966	710.0	12.0	737.2	6.8	621	50	737.2	6.8	3.8	Single Age
IOS1604_20	102.8	1.11	1.05000	0.02100	0.11890	0.00120	0.02694	727.0	10.0	724.3	7.2	732	47	724.3	7.2	0.4	Single Age
IOS1604_22	195	11.80	0.95900	0.01600	0.11060	0.00100	0.33796	681.7	8.1	676.0	5.9	697	33	676.0	5.9	0.8	Single Age
IOS1604_23	555	8.74	1.70800	0.02200	0.16710	0.00200	0.63121	1011.7	8.6	996.0	11.0	1049	22	996.0	11.0	1.6	Single Age
IOS1604_24	1835	74.00	0.43400	0.01900	0.05460	0.00180	0.68288	366.0	13.0	343.0	11.0	517	81	343.0	11.0	6.3	Rim
IOS1604_24	191	3.42	6.01000	0.54000	0.25600	0.02200	0.99081	1913.0	71.0	1440.0	110.0	2554	20	DISC	DISC	43.6	Core

Table A3, con't.

IOS1604_25	175.2	2.11	0.89700	0.01600	0.10520	0.00110	0.39415	649.2	8.5	644.7	6.2	660	36	644.7	6.2	0.7	Single Age
IOS1604_26	101.9	1.38	1.01600	0.02200	0.11260	0.00120	0.27001	710.0	11.0	687.5	6.8	775	44	687.5	6.8	3.2	Single Age
IOS1604_27	161.6	3.33	0.97100	0.01700	0.11454	0.00098	0.17709	687.9	8.7	699.0	5.7	643	39	699.0	5.7	1.6	Single Age
IOS1604_28	104.5	0.59	1.38300	0.03000	0.13570	0.00150	0.28838	880.0	13.0	820.1	8.5	1023	44	820.1	8.5	6.8	Single Age
IOS1604_29	52.5	0.80	1.50900	0.05000	0.15580	0.00240	0.23318	935.0	19.0	933.0	14.0	927	66	933.0	14.0	0.2	Single Age
IOS1604_30	2070	40.50	0.79220	0.00580	0.09594	0.00058	0.51404	592.2	3.3	590.5	3.4	599	15	590.5	3.4	0.3	Single Age
IOS1604_31	156.5	0.94	2.02300	0.02500	0.19200	0.00170	0.19892	1122.2	8.5	1132.2	9.0	1102	27	1132.2	9.0	0.9	Single Age
IOS1604_32	172	0.98	1.73400	0.02400	0.16960	0.00140	0.24388	1019.9	9.0	1009.5	8.0	1045	30	1009.5	8.0	1.0	Single Age
IOS1604_33	127.5	1.04	1.61300	0.03200	0.16150	0.00170	0.48292	973.0	12.0	964.9	9.4	995	36	964.9	9.4	0.8	Single Age
IOS1604_34	427	1.21	12.04000	0.17000	0.49180	0.00560	0.96126	2604.0	14.0	2577.0	25.0	2631	10	2631.0	10.0	2.1	Single Age
IOS1604_35	224	25.90	0.78600	0.05400	0.09390	0.00270	0.12138	587.0	30.0	578.0	16.0	600	150	578.0	16.0	1.5	Single Age
IOS1604_36	207	1.02	0.98500	0.02000	0.11300	0.00130	0.34844	696.5	9.8	690.1	7.5	712	39	690.1	7.5	0.9	Single Age
IOS1604_37	49.3	1.17	1.60500	0.05600	0.15890	0.00300	0.40879	969.0	22.0	954.0	16.0	1018	61	954.0	16.0	1.5	Single Age
IOS1604_39	1052	3.30	0.90880	0.00970	0.10480	0.00079	0.45118	656.2	5.2	642.4	4.6	696	22	642.4	4.6	2.1	Single Age
IOS1604_40	557	1.56	1.09600	0.01200	0.12300	0.00110	0.57566	750.9	6.0	748.0	6.0	759	20	748.0	6.0	0.4	Single Age
IOS1604_41	1568	203.00	0.39880	0.00820	0.05342	0.00072	0.59970	340.6	5.9	335.5	4.4	376	37	335.5	4.4	1.5	Rim
IOS1604_41	118.9	1.40	0.85200	0.02800	0.10200	0.00140	0.02949	624.0	15.0	625.8	8.0	621	71	625.8	8.0	0.3	Core
IOS1604_42	380	3.66	1.30000	0.03600	0.13860	0.00240	0.67574	844.0	16.0	837.0	14.0	859	44	837.0	14.0	0.8	Single Age
IOS1604_43	107.3	1.61	1.23400	0.02500	0.13700	0.00170	0.32142	814.0	11.0	829.3	9.5	768	43	829.3	9.5	1.9	Single Age
IOS1604_44	183.4	1.42	1.59700	0.02600	0.16490	0.00190	0.42095	968.0	10.0	984.0	10.0	935	33	984.0	10.0	1.7	Single Age
IOS1604_45	111.1	1.65	0.99100	0.02100	0.11431	0.00093	0.27828	697.0	11.0	697.7	5.4	685	44	697.7	5.4	0.1	Single Age
IOS1604_46	234	5.60	4.97300	0.04700	0.30710	0.00220	0.31021	1814.0	8.0	1726.0	11.0	1915	18	1915.0	18.0	9.9	Single Age
IOS1604_47	76.7	3.40	1.10900	0.03000	0.12430	0.00150	0.11268	755.0	14.0	755.4	8.7	740	61	755.4	8.7	0.1	Single Age
IOS1604_49	619	1.74	11.78900	0.09600	0.47570	0.00400	0.68264	2587.0	7.6	2508.0	17.0	2655	11	2655.0	11.0	5.5	Single Age
IOS1604_52	221.1	2.80	0.87700	0.01400	0.10334	0.00091	0.30245	639.3	7.6	633.9	5.3	654	33	633.9	5.3	0.8	Single Age

Table A3, con't.

IOS1604_53	139.3	1.19	1.70600	0.02600	0.16920	0.00160	0.47385	1009.4	9.6	1007.4	9.0	1014	27	1007.4	9.0	0.2	Single Age
IOS1604_54	300	8.33	5.47100	0.06800	0.33030	0.00400	0.79541	1895.0	11.0	1842.0	19.0	1948	16	1948.0	16.0	5.4	Single Age
IOS1604_55	201	3.76	0.73300	0.01500	0.09049	0.00089	0.19068	557.0	8.9	558.3	5.3	558	47	558.3	5.3	0.2	Single Age
IOS1604_56	186.8	1.56	1.19700	0.01900	0.13070	0.00110	0.33717	798.2	8.8	791.9	6.3	810	32	791.9	6.3	0.8	Single Age
IOS1604_57	344	14.40	0.84100	0.01400	0.10110	0.00120	0.58611	618.6	7.6	620.7	7.1	612	28	620.7	7.1	0.3	Single Age
IOS1604_58	892	9.06	3.59300	0.05600	0.23400	0.00250	0.77088	1546.0	12.0	1355.0	13.0	1811	17	DISC	DISC	25.2	Single Age
IOS1604_59	263	1.68	0.86900	0.01400	0.10230	0.00100	0.38716	634.3	7.7	628.0	5.8	651	33	628.0	5.8	1.0	Single Age
IOS1604_60	233.6	0.59	1.81300	0.03200	0.17070	0.00160	0.24078	1049.0	11.0	1016.0	8.6	1111	36	1016.0	8.6	3.1	Single Age
IOS1604_61	513.7	1.20	5.28100	0.04900	0.33070	0.00280	0.65155	1866.3	7.7	1842.0	13.0	1894	14	1894.0	14.0	2.7	Single Age
IOS1604_62	160.1	3.86	11.47000	0.11000	0.47350	0.00380	0.41288	2562.7	9.0	2498.0	17.0	2608	17	2608.0	17.0	4.2	Single Age
IOS1604_63	103	0.67	1.12500	0.02000	0.12470	0.00120	0.24179	766.3	9.4	757.6	6.8	778	35	757.6	6.8	1.1	Single Age
IOS1604_64	294.4	0.36	5.56800	0.05400	0.33630	0.00280	0.54227	1910.0	8.5	1868.0	13.0	1957	15	1957.0	15.0	4.5	Single Age
IOS1604_65	67.4	0.82	5.19000	0.07600	0.32870	0.00290	0.31981	1849.0	12.0	1832.0	14.0	1866	26	1866.0	26.0	1.8	Single Age
IOS1604_66	491	9.01	9.57000	0.14000	0.39880	0.00500	0.90283	2392.0	14.0	2162.0	23.0	2594	10	2594.0	10.0	16.7	Single Age
IOS1604_67	580	67.00	0.39400	0.01800	0.05390	0.00210	0.60276	336.0	13.0	338.0	13.0	319	81	338.0	13.0	0.6	Single Age
IOS1604_68	158	1.62	1.36700	0.02600	0.13670	0.00130	0.34448	873.0	11.0	827.1	7.5	982	37	827.1	7.5	5.3	Single Age
IOS1604_69	494	0.58	0.66830	0.00980	0.08199	0.00071	0.39170	519.1	6.0	507.9	4.2	571	30	507.9	4.2	2.2	Single Age
IOS1604_70	349	4.64	1.63900	0.01900	0.16330	0.00160	0.49016	985.6	7.3	974.9	8.7	1018	21	974.9	8.7	1.1	Single Age
IOS1604_71	188.2	1.38	1.58700	0.03200	0.15640	0.00220	0.44129	963.0	13.0	937.0	12.0	1023	39	937.0	12.0	2.7	Single Age
IOS1604_72	544	3.00	0.92500	0.01100	0.10708	0.00091	0.36361	664.3	5.8	655.7	5.3	697	25	655.7	5.3	1.3	Single Age
IOS1604_73	200	2.16	0.85500	0.01400	0.09728	0.00086	0.25513	626.6	7.4	598.4	5.0	730	35	598.4	5.0	4.5	Single Age
IOS1604_74	157.1	2.19	0.88200	0.01700	0.10325	0.00082	0.12526	641.6	9.3	633.4	4.8	653	44	633.4	4.8	1.3	Single Age
IOS1604_76	970	38.80	0.84800	0.01500	0.09990	0.00120	0.42351	623.2	8.0	613.9	6.9	666	33	613.9	6.9	1.5	Rim
IOS1604_76	60.1	1.74	1.25100	0.04800	0.12660	0.00270	0.41829	819.0	21.0	768.0	16.0	946	70	768.0	16.0	6.2	Core
IOS1604_77	156.7	1.69	1.50900	0.02500	0.14840	0.00160	0.33971	932.0	10.0	891.5	8.9	1024	33	891.5	8.9	4.3	Single Age

Table A3, con't.

IOS1604_78	337	1.15	6.08300	0.05900	0.35930	0.00290	0.70481	1986.8	8.3	1979.0	14.0	1993	12	1993.0	12.0	0.7	Single Age
IOS1604_79	100.5	0.34	1.33200	0.02400	0.14330	0.00120	0.26876	858.0	10.0	863.3	6.6	836	36	863.3	6.6	0.6	Single Age
IOS1604_80	143.9	1.31	3.47700	0.06000	0.23500	0.00270	0.58273	1520.0	14.0	1360.0	14.0	1747	26	1747.0	26.0	22.2	Single Age
IOS1604_81	76.1	1.04	11.85000	0.10000	0.46260	0.00440	0.36550	2591.6	8.2	2450.0	20.0	2699	17	2699.0	17.0	9.2	Single Age
IOS1604_82	121.4	1.07	0.87300	0.02000	0.10280	0.00140	0.34788	635.0	11.0	630.7	8.2	628	49	630.7	8.2	0.7	Single Age
IOS1604_83	533	30.00	0.61800	0.02100	0.07610	0.00150	0.39748	487.0	13.0	472.6	9.2	534	50	472.6	9.2	3.0	Rim
IOS1604_83	121.9	2.92	0.87000	0.03400	0.10140	0.00290	0.54286	638.0	20.0	622.0	17.0	681	78	622.0	17.0	2.5	Core
IOS1604_84	111.1	1.46	1.69700	0.02800	0.16700	0.00150	0.33363	1005.0	11.0	995.2	8.5	1021	33	995.2	8.5	1.0	Single Age
IOS1604_85	88.9	2.58	0.90500	0.02400	0.10590	0.00150	0.19073	652.0	13.0	648.8	9.0	658	58	648.8	9.0	0.5	Single Age
IOS1604_86	1810	266.00	0.38470	0.00720	0.05170	0.00087	0.64457	330.3	5.3	324.9	5.3	367	34	324.9	5.3	1.6	Single Age
IOS1604_87	130	1.05	1.16700	0.05100	0.11640	0.00380	0.33870	783.0	25.0	710.0	22.0	994	98	710.0	22.0	9.3	Rim
IOS1604_87	14.66	0.62	1.39700	0.07900	0.13620	0.00370	0.06874	876.0	34.0	822.0	21.0	970	130	822.0	21.0	6.2	Core
IOS1604_88	40.7	1.30	2.01100	0.07700	0.19380	0.00390	0.10686	1115.0	26.0	1142.0	21.0	1047	87	1142.0	21.0	2.4	Single Age
IOS1604_89	216.7	0.74	1.41500	0.02700	0.13810	0.00220	0.45550	895.0	12.0	834.0	13.0	1044	38	834.0	13.0	6.8	Single Age
IOS1604_90	25.5	1.83	1.30000	0.07200	0.13810	0.00530	0.66173	830.0	32.0	832.0	30.0	839	81	832.0	30.0	0.2	Single Age
IOS1604_91	326	3.58	1.33800	0.09000	0.09240	0.00100	0.15760	835.0	38.0	569.5	6.0	1520	130	DISC	DISC	31.8	Single Age
IOS1604_92	47.3	1.01	0.99500	0.03200	0.11630	0.00180	0.16779	698.0	16.0	709.0	10.0	645	69	709.0	10.0	1.6	Single Age
IOS1604_93	314	11.10	0.82000	0.01900	0.09580	0.00150	0.55210	608.0	11.0	589.9	8.7	671	42	589.9	8.7	3.0	Single Age
IOS1604_94	77.2	1.36	1.60900	0.04500	0.15890	0.00190	0.07547	971.0	18.0	950.0	11.0	1003	61	950.0	11.0	2.2	Single Age
IOS1604_95	1043	57.10	0.89300	0.01000	0.10411	0.00097	0.62451	647.2	5.5	638.4	5.7	668	20	638.4	5.7	1.4	Single Age
IOS1604_96	52.5	0.96	6.04000	0.14000	0.35780	0.00600	0.35201	1978.0	20.0	1971.0	28.0	1981	41	1981.0	41.0	0.5	Single Age
IOS1604_97	261	2.44	12.65000	0.15000	0.49120	0.00410	0.73095	2652.0	12.0	2575.0	18.0	2709	14	2709.0	14.0	4.9	Single Age
IOS1604_98	465	0.81	0.77530	0.00900	0.09326	0.00069	0.27325	582.4	5.1	574.7	4.1	610	25	574.7	4.1	1.3	Single Age
IOS1604_99	53.7	2.33	0.99700	0.03400	0.11280	0.00160	0.05794	698.0	17.0	690.1	9.1	701	77	690.1	9.1	1.1	Single Age
IOS1604_100	106.6	0.88	0.96400	0.02800	0.10510	0.00160	0.20065	683.0	15.0	644.2	9.1	828	56	644.2	9.1	5.7	Single Age
IOS1604_101	292.5	5.16	1.14900	0.01900	0.11980	0.00170	0.47720	777.7	9.3	729.0	10.0	907	35	729.0	10.0	6.3	Single Age

Table A3, con't.

IOS1604_102	47.7	1.81	0.96900	0.02900	0.11160	0.00170	0.03715	686.0	15.0	681.9	9.7	668	73	681.9	9.7	0.6	Single Age
IOS1604_103	98.2	2.08	1.63300	0.03500	0.16760	0.00180	0.25699	981.0	14.0	998.6	9.8	940	42	998.6	9.8	1.8	Single Age
IOS1604_104	856	0.55	1.67300	0.01600	0.16600	0.00150	0.62897	997.7	6.0	989.9	8.3	1009	16	989.9	8.3	0.8	Single Age
IOS1604_105	150	0.86	1.33600	0.02600	0.14270	0.00130	0.22905	859.0	11.0	859.6	7.4	851	39	859.6	7.4	0.1	Single Age
IOS1604_106	123.3	1.34	1.54400	0.04100	0.15190	0.00230	0.25513	946.0	17.0	912.0	13.0	1019	56	912.0	13.0	3.6	Single Age
IOS1604_107	125.1	0.61	1.32000	0.02600	0.13430	0.00160	0.40823	852.0	11.0	812.3	9.3	950	37	812.3	9.3	4.7	Single Age
IOS1604_108	94.2	1.29	0.79800	0.02600	0.09450	0.00220	0.19098	595.0	15.0	582.0	13.0	650	87	582.0	13.0	2.2	Single Age
IOS1604_109	78.4	0.85	1.03600	0.02600	0.11810	0.00130	0.17217	719.0	13.0	719.5	7.5	712	56	719.5	7.5	0.1	Single Age
IOS1604_110	735	2.37	4.92900	0.05800	0.28480	0.00390	0.77168	1807.0	10.0	1615.0	20.0	2035	16	2035.0	16.0	20.6	Rim
IOS1604_110	596	1.64	6.67900	0.03600	0.36950	0.00210	0.46230	2069.5	4.8	2027.0	9.8	2106	11	2106.0	11.0	3.8	Core
IOS1604_111	1903	248.00	0.40060	0.00620	0.05382	0.00078	0.37954	341.9	4.5	337.9	4.8	366	38	337.9	4.8	1.2	Rim
IOS1604_111	325	0.34	0.78200	0.02100	0.09450	0.00150	0.58769	585.0	12.0	581.7	8.9	587	47	581.7	8.9	0.6	Core
IOS1604_112	197.6	4.46	0.71000	0.01200	0.08718	0.00086	0.21721	544.0	7.4	538.8	5.1	554	39	538.8	5.1	1.0	Single Age
IOS1604_113	796	3.86	1.46900	0.02600	0.14860	0.00250	0.59163	916.0	10.0	893.0	14.0	974	31	893.0	14.0	2.5	Single Age
IOS1604_114	207.2	2.97	0.96500	0.02000	0.10880	0.00130	0.24084	685.0	11.0	665.6	7.5	734	45	665.6	7.5	2.8	Single Age
IOS1604_115	205	0.58	0.96600	0.03100	0.10440	0.00130	0.23348	685.0	16.0	639.9	7.6	823	63	639.9	7.6	6.6	Single Age
IOS1604_116	306	1.82	1.78200	0.02600	0.17510	0.00140	0.03744	1038.1	9.5	1040.2	7.5	1035	33	1040.2	7.5	0.2	Single Age
IOS1604_117	105.3	0.94	7.35000	0.10000	0.39150	0.00470	0.72523	2154.0	13.0	2129.0	22.0	2176	23	2176.0	23.0	2.2	Single Age
IOS1604_118	439.5	9.22	0.70800	0.01700	0.08510	0.00110	0.35686	542.8	9.9	526.5	6.5	603	48	526.5	6.5	3.0	Single Age
IOS1604_119	398	2.26	1.60200	0.03300	0.16310	0.00350	0.45223	968.0	13.0	973.0	19.0	949	45	973.0	19.0	0.5	Single Age
IOS1604_120	87.6	0.98	1.32400	0.03000	0.14240	0.00180	0.35547	854.0	13.0	858.0	10.0	831	46	858.0	10.0	0.5	Single Age
IOS1604_121	338	1.43	1.45600	0.02600	0.14480	0.00190	0.56484	911.0	11.0	871.0	11.0	1012	29	871.0	11.0	4.4	Single Age
IOS1604_122	409	1.11	1.72100	0.01900	0.16820	0.00130	0.48726	1015.6	7.1	1002.2	7.2	1039	20	1002.2	7.2	1.3	Single Age
IOS1604_123	232	14.29	0.86300	0.03500	0.10350	0.00200	0.21330	631.0	19.0	635.0	12.0	609	87	635.0	12.0	0.6	Rim
IOS1604_123	32.6	0.71	2.21000	0.12000	0.17120	0.00320	0.50247	1175.0	38.0	1018.0	17.0	1446	91	DISC	DISC	13.4	Core
IOS1604_124	94.8	1.21	1.65100	0.04100	0.15640	0.00180	0.28596	988.0	16.0	936.6	9.8	1096	49	936.6	9.8	5.2	Single Age

Table A3, con't.

IOS1604_125	162.9	2.66	5.90700	0.06500	0.35510	0.00300	0.62293	1964.1	9.6	1959.0	14.0	1962	16	1962.0	16.0	0.2	Single Age
IOS1604_126	476	1.53	0.89200	0.00870	0.10597	0.00079	0.38034	647.1	4.6	649.2	4.6	636	22	649.2	4.6	0.3	Single Age
IOS1604_127	317	2.22	0.92800	0.01100	0.10810	0.00081	0.15247	666.1	6.0	661.6	4.7	680	28	661.6	4.7	0.7	Single Age
IOS1604_128	21.16	1.38	1.16600	0.06200	0.13090	0.00310	0.14585	778.0	28.0	793.0	17.0	700	110	793.0	17.0	1.9	Single Age
IOS1604_129	680	2.11	0.92000	0.01300	0.10820	0.00110	0.38808	662.4	6.8	662.5	6.2	651	30	662.5	6.2	0.0	Single Age
IOS1604_130	277.9	1.45	1.02200	0.02100	0.11370	0.00160	0.20608	714.0	11.0	694.3	9.0	773	48	694.3	9.0	2.8	Single Age
IOS1604_131	208	1.57	0.94100	0.01900	0.10970	0.00140	0.34977	673.0	10.0	670.9	8.3	688	48	670.9	8.3	0.3	Single Age
IOS1604_132	173	1.22	1.86000	0.11000	0.14410	0.00200	0.38111	1052.0	37.0	868.0	11.0	1424	97	DISC	DISC	17.5	Single Age
IOS1604_133	105.3	1.04	1.27300	0.02800	0.13120	0.00140	0.33454	832.0	12.0	794.7	8.1	921	44	794.7	8.1	4.5	Single Age
IOS1604_134	352	1.42	0.86600	0.02200	0.09841	0.00088	0.13324	632.0	11.0	605.0	5.2	741	56	605.0	5.2	4.3	Single Age
IOS1604_135	184.4	3.05	1.89000	0.12000	0.15920	0.00700	0.97271	1051.0	41.0	949.0	39.0	1274	42	949.0	39.0	9.7	Single Age
IOS1604_136	55.6	1.20	1.32200	0.03600	0.14000	0.00210	0.20152	853.0	16.0	845.0	12.0	871	57	845.0	12.0	0.9	Single Age
IOS1604_137	107.6	2.69	0.69700	0.02600	0.06520	0.00140	0.50067	533.0	15.0	406.8	8.4	1111	67	DISC	DISC	23.7	Single Age
IOS1604_138	402	0.97	4.58800	0.08100	0.27820	0.00450	0.74828	1745.0	15.0	1581.0	23.0	1943	22	1943.0	22.0	18.6	Single Age
IOS1604_139	353	1.74	10.96500	0.07900	0.45340	0.00360	0.55019	2519.6	6.8	2410.0	16.0	2608	12	2608.0	12.0	7.6	Single Age
IOS1604_140	40.5	1.38	1.71100	0.04900	0.16480	0.00230	0.16463	1009.0	18.0	983.0	13.0	1050	59	983.0	13.0	2.6	Single Age
IOS1604_141	338	0.81	1.95500	0.01900	0.18480	0.00130	0.44965	1100.6	6.3	1093.2	7.0	1107	19	1093.2	7.0	0.7	Single Age
IOS1604_142	174.5	1.81	11.20000	0.17000	0.44750	0.00540	0.77742	2537.0	15.0	2383.0	24.0	2672	17	2672.0	17.0	10.8	Single Age
IOS1604_143	1180	92.00	0.32400	0.01200	0.04320	0.00140	0.86699	284.7	9.0	272.7	8.5	370	43	272.7	8.5	4.2	Rim
IOS1604_143	223.9	0.98	1.50100	0.03200	0.14830	0.00210	0.60968	930.0	13.0	891.0	12.0	1004	34	891.0	12.0	4.2	Core
IOS1604_144	723	3.78	0.80410	0.00990	0.09612	0.00090	0.34390	598.7	5.5	591.6	5.3	621	28	591.6	5.3	1.2	Single Age

Table A3, con't.

SAMPLE NAME: IOS1605																
GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**BEST AGE (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1605_1	124.5	1.13	5.33200	0.05500	0.33620	0.00330	0.48750	1873.9	8.7	1868.0	16.0	1875	18	1875.0	18.0	0.4	Single Age
IOS1605_2	213	1.51	0.61100	0.01900	0.07133	0.00062	0.21258	482.0	11.0	444.1	3.7	654	63	444.1	3.7	7.9	Single Age
IOS1605_3	425	1.83	0.58750	0.00960	0.07142	0.00076	0.32461	470.5	6.5	444.6	4.6	596	38	444.6	4.6	5.5	Single Age
IOS1605_4	245	4.36	0.83900	0.02000	0.09640	0.00140	0.17889	617.0	11.0	593.4	8.5	695	54	593.4	8.5	3.8	Single Age
IOS1605_5	290	2.41	12.13000	0.14000	0.47330	0.00520	0.78062	2613.0	11.0	2497.0	23.0	2700	14	2700.0	14.0	7.5	Single Age
IOS1605_6	232	48.90	0.79700	0.01800	0.09590	0.00170	0.42036	593.3	9.9	590.0	10.0	596	46	590.0	10.0	0.6	Single Age
IOS1605_7	141	1.68	1.32200	0.06200	0.12650	0.00480	0.55173	853.0	27.0	767.0	27.0	1074	85	DISC	DISC	10.1	Single Age
IOS1605_8	139.5	1.49	0.63000	0.02700	0.07660	0.00200	0.02480	496.0	16.0	476.0	12.0	570	100	476.0	12.0	4.0	Single Age
IOS1605_9	205.7	2.15	0.57700	0.01800	0.07360	0.00180	0.50911	461.0	11.0	458.0	11.0	458	63	458.0	11.0	0.7	Single Age
IOS1605_10	213.5	1.93	0.56600	0.01300	0.07320	0.00110	0.53291	454.2	8.6	455.3	6.8	435	44	455.3	6.8	0.2	Single Age
IOS1605_12	65.7	1.56	0.59300	0.02800	0.06500	0.00190	0.38644	468.0	18.0	406.0	12.0	768	94	DISC	DISC	13.2	Single Age
IOS1605_13	147.1	1.30	0.69300	0.02400	0.07070	0.00100	0.47387	531.0	14.0	440.0	6.2	905	63	DISC	DISC	17.1	Single Age
IOS1605_14	234	1.50	0.55060	0.00940	0.07197	0.00061	0.03753	444.7	6.1	448.0	3.7	414	41	448.0	3.7	0.7	Single Age
IOS1605_15	175.5	1.69	0.52700	0.01100	0.06719	0.00067	0.14149	428.8	7.1	419.2	4.1	464	47	419.2	4.1	2.2	Single Age
IOS1605_16	204	2.50	1.19600	0.03100	0.12370	0.00110	0.40164	795.0	14.0	751.8	6.2	909	47	751.8	6.2	5.4	Single Age
IOS1605_17	309	1.71	0.68700	0.03400	0.07368	0.00081	0.34915	525.0	19.0	458.2	4.9	787	90	DISC	DISC	12.7	Single Age
IOS1605_18	286	2.15	0.64000	0.01700	0.07540	0.00130	0.09449	501.0	10.0	468.3	8.1	641	55	468.3	8.1	6.5	Single Age
IOS1605_19	301	1.53	0.52700	0.01200	0.06625	0.00072	0.35712	428.7	7.7	413.5	4.4	486	45	413.5	4.4	3.5	Single Age
IOS1605_21	751.2	1.17	0.56460	0.00740	0.07200	0.00064	0.20214	454.2	4.8	448.2	3.9	480	32	448.2	3.9	1.3	Single Age
IOS1605_22	246.4	3.43	0.90200	0.02200	0.08890	0.00120	0.32007	652.0	12.0	548.8	7.3	1016	49	DISC	DISC	15.8	Single Age
IOS1605_24	646	3.39	1.04100	0.01300	0.11690	0.00100	0.52137	723.6	6.5	712.9	5.9	753	23	712.9	5.9	1.5	Single Age

Table A3, con't.

IOS1605_25	2220	1.16	0.53040	0.00850	0.06680	0.00110	0.55055	431.8	5.7	416.9	6.4	509	34	416.9	6.4	3.5	Single Age
IOS1605_26	621	3.93	4.47900	0.06900	0.26930	0.00260	0.81985	1725.0	13.0	1537.0	13.0	1957	17	1957.0	17.0	21.5	Single Age
IOS1605_27	346	1.32	1.62100	0.02100	0.16410	0.00170	0.56030	978.9	8.4	979.6	9.5	971	23	979.6	9.5	0.1	Single Age
IOS1605_28	304	1.50	0.56290	0.00930	0.07310	0.00081	0.25618	452.7	6.0	454.7	4.9	423	37	454.7	4.9	0.4	Single Age
IOS1605_29	231.4	2.00	0.56700	0.01500	0.07090	0.00150	0.30453	455.0	9.9	441.5	8.8	520	64	441.5	8.8	3.0	Single Age
IOS1605_30	702	1.27	0.53930	0.00710	0.06871	0.00072	0.38785	437.6	4.7	428.3	4.3	479	29	428.3	4.3	2.1	Single Age
IOS1605_31	159.8	1.83	0.58800	0.01400	0.07350	0.00110	0.19305	468.6	9.2	456.9	6.4	517	59	456.9	6.4	2.5	Single Age
IOS1605_32	1860	56.40	0.44620	0.00840	0.05732	0.00075	0.23954	374.4	5.9	359.3	4.6	465	46	359.3	4.6	4.0	Rim
IOS1605_32	118.9	2.12	1.31900	0.04300	0.13950	0.00260	0.05782	853.0	19.0	842.0	15.0	871	80	842.0	15.0	1.3	Core
IOS1605_33	360.6	1.69	0.61500	0.00960	0.07433	0.00065	0.28785	486.8	6.2	462.2	3.9	593	34	462.2	3.9	5.1	Single Age
IOS1605_34	325.5	2.05	0.61500	0.01200	0.07506	0.00073	0.15315	485.7	7.5	466.5	4.4	571	46	466.5	4.4	4.0	Single Age
IOS1605_35	113.9	2.11	0.57600	0.04800	0.06870	0.00330	0.53169	458.0	30.0	428.0	20.0	590	150	428.0	20.0	6.6	Single Age
IOS1605_36	105.9	1.41	1.60900	0.03200	0.16020	0.00190	0.28169	972.0	13.0	958.0	10.0	990	42	958.0	10.0	1.4	Single Age
IOS1605_37	307	1.49	0.57800	0.01000	0.07391	0.00071	0.24540	462.2	6.5	459.6	4.3	462	40	459.6	4.3	0.6	Single Age
IOS1605_38	432	2.15	0.93300	0.03700	0.10320	0.00110	0.71260	666.0	17.0	632.8	6.7	742	55	632.8	6.7	5.0	Single Age
IOS1605_40	562.7	1.56	0.57500	0.01000	0.07107	0.00096	0.30082	460.6	6.7	442.5	5.8	543	40	442.5	5.8	3.9	Single Age
IOS1605_42	869	1.62	0.55710	0.00880	0.06518	0.00059	0.27965	449.2	5.7	407.0	3.6	658	32	407.0	3.6	9.4	Single Age
IOS1605_43	142.1	1.61	0.56900	0.01300	0.07060	0.00073	0.20296	456.4	8.5	439.7	4.4	523	51	439.7	4.4	3.7	Single Age
IOS1605_44	174.3	1.84	1.52700	0.02200	0.15630	0.00180	0.27945	940.0	9.0	939.0	10.0	949	32	939.0	10.0	0.1	Single Age
IOS1605_45	525	4.40	18.27000	0.40000	0.54900	0.00770	0.95212	3000.0	24.0	2819.0	33.0	3106	25	3106.0	25.0	9.2	Single Age
IOS1605_47	264.3	1.74	0.57300	0.01100	0.07329	0.00074	0.14781	459.2	7.0	455.9	4.4	462	45	455.9	4.4	0.7	Single Age
IOS1605_48	642	1.32	0.56950	0.00980	0.07017	0.00088	0.34831	457.2	6.3	437.1	5.3	551	37	437.1	5.3	4.4	Single Age
IOS1605_49	559	1.61	0.56550	0.00930	0.07225	0.00091	0.53728	454.5	6.1	449.7	5.5	472	32	449.7	5.5	1.1	Single Age
IOS1605_50	433.9	1.48	0.56680	0.00930	0.07294	0.00069	0.37503	455.4	6.0	453.8	4.2	454	35	453.8	4.2	0.4	Single Age
IOS1605_51	135	1.70	0.58100	0.01500	0.07621	0.00090	0.22374	463.5	9.8	473.4	5.4	395	57	473.4	5.4	2.1	Single Age

Table A3, con't.

IOS1605_52	217.8	1.35	7.17000	0.10000	0.37720	0.00580	0.75521	2132.0	13.0	2062.0	27.0	2191	23	2191.0	23.0	5.9	Single Age
IOS1605_54	906	1.31	0.56070	0.00700	0.07121	0.00054	0.27652	451.7	4.6	443.4	3.3	488	29	443.4	3.3	1.8	Single Age
IOS1605_55	396.6	1.50	0.57520	0.00790	0.07276	0.00065	0.33192	460.9	5.1	452.7	3.9	493	30	452.7	3.9	1.8	Single Age
IOS1605_56	328	1.96	0.55300	0.01300	0.06880	0.00120	0.48131	445.9	8.3	428.8	7.3	524	49	428.8	7.3	3.8	Single Age
IOS1605_57	924	0.85	1.60200	0.03500	0.15980	0.00310	0.73092	969.0	14.0	955.0	17.0	1000	33	955.0	17.0	1.4	Single Age
IOS1605_58	168.1	0.94	1.69700	0.03300	0.16620	0.00190	0.43989	1006.0	12.0	991.0	10.0	1030	35	991.0	10.0	1.5	Single Age
IOS1605_59	829	4.07	1.03250	0.00890	0.11660	0.00072	0.46916	719.8	4.4	710.9	4.1	740	17	710.9	4.1	1.2	Single Age
IOS1605_60	233.5	1.82	0.56600	0.01000	0.07302	0.00073	0.10938	454.7	6.7	454.3	4.4	449	45	454.3	4.4	0.1	Single Age
IOS1605_61	296	2.09	5.86200	0.07400	0.35170	0.00450	0.62210	1956.0	11.0	1942.0	21.0	1968	18	1968.0	18.0	1.3	Single Age
IOS1605_62	500	1.53	0.57090	0.00760	0.07197	0.00066	0.35610	458.2	4.9	447.9	4.0	506	29	447.9	4.0	2.2	Single Age
IOS1605_63	568	1.17	0.55030	0.00770	0.06989	0.00067	0.48684	444.9	5.0	435.5	4.0	488	28	435.5	4.0	2.1	Single Age
IOS1605_64	785	1.15	0.58200	0.01100	0.06989	0.00076	0.59382	465.3	6.9	435.4	4.6	612	37	435.4	4.6	6.4	Single Age
IOS1605_65	600	1.36	0.58400	0.01100	0.07360	0.00120	0.29771	466.8	7.2	457.4	7.0	505	42	457.4	7.0	2.0	Single Age
IOS1605_66	211.7	1.38	0.59000	0.01400	0.07320	0.00096	0.45847	469.7	9.0	455.3	5.8	525	47	455.3	5.8	3.1	Single Age
IOS1605_67	338	1.44	0.59600	0.01100	0.07335	0.00069	0.30482	475.6	6.5	456.8	4.3	548	40	456.8	4.3	4.0	Single Age
IOS1605_68	983	1.05	0.56510	0.00770	0.07257	0.00072	0.54524	454.4	5.0	451.6	4.3	457	25	451.6	4.3	0.6	Single Age
IOS1605_69	611	2.26	0.43900	0.01100	0.05410	0.00110	0.58404	371.2	8.6	339.5	6.5	560	49	339.5	6.5	8.5	Single Age
IOS1605_70	997	5.23	1.03200	0.01000	0.11610	0.00100	0.47883	719.5	5.0	708.0	5.9	754	21	708.0	5.9	1.6	Single Age
IOS1605_71	210.3	1.73	0.56700	0.01100	0.07254	0.00068	0.16525	455.1	7.3	451.4	4.1	459	46	451.4	4.1	0.8	Single Age
IOS1605_72	429	0.90	11.93300	0.08200	0.48810	0.00310	0.70521	2598.4	6.4	2562.0	14.0	2624	8	2624.2	8.3	2.4	Single Age
IOS1605_74	3060	4.80	0.35600	0.02600	0.04170	0.00140	0.08458	308.0	19.0	263.4	8.8	650	180	DISC	DISC	14.5	Rim
IOS1605_74	154	1.38	0.65000	0.01700	0.07520	0.00096	0.31782	507.0	10.0	467.3	5.8	673	53	467.3	5.8	7.8	Core
IOS1605_76	966	1.36	0.80000	0.03400	0.07561	0.00081	0.40151	593.0	19.0	469.8	4.8	1071	78	DISC	DISC	20.8	Single Age
IOS1605_77	1790	6.64	0.32330	0.00950	0.04089	0.00096	0.62181	284.1	7.3	258.3	6.0	486	53	258.3	6.0	9.1	Rim
IOS1605_77	340.7	1.10	0.61500	0.02100	0.07150	0.00110	0.33025	486.0	13.0	445.3	6.4	665	73	445.3	6.4	8.4	Core

Table A3, con't.

IOS1605_78	0.003	no value	no value	NAN	no value	NAN	#VALUE!	no value	NAN	no value	NAN	no value	NAN	#####	#VALUE!	#VALUE!	Single Age
IOS1605_79	305	1.47	0.59900	0.01100	0.07358	0.00087	0.48238	476.0	6.9	457.6	5.2	573	38	457.6	5.2	3.9	Single Age
IOS1605_80	178	1.32	0.55500	0.01200	0.07207	0.00075	0.14167	448.5	7.9	448.6	4.5	435	50	448.6	4.5	0.0	Single Age
IOS1605_81	269	1.51	10.52000	0.11000	0.44090	0.00440	0.77451	2481.1	9.6	2354.0	19.0	2584	11	2584.0	11.0	8.9	Single Age
IOS1605_82	338.2	1.67	0.57100	0.01100	0.07220	0.00110	0.33666	459.1	6.7	449.2	6.5	510	45	449.2	6.5	2.2	Single Age
IOS1605_83	441	1.67	0.53400	0.01000	0.06980	0.00100	0.55653	434.0	6.8	434.9	6.3	430	37	434.9	6.3	0.2	Single Age
IOS1605_84	274	0.77	0.84800	0.04300	0.04950	0.00096	0.62193	618.0	24.0	311.4	5.9	1979	73	DISC	DISC	49.6	Single Age
IOS1605_85	313.3	1.46	0.56600	0.01100	0.06484	0.00055	0.12863	454.9	7.1	404.9	3.3	705	44	DISC	DISC	11.0	Single Age
IOS1605_86	1790	4.33	0.42400	0.02400	0.05320	0.00180	0.04265	359.0	17.0	334.0	11.0	510	130	334.0	11.0	7.0	Rim
IOS1605_86	463.6	1.43	0.56870	0.00750	0.07210	0.00058	0.35877	456.8	4.9	448.8	3.5	495	29	448.8	3.5	1.8	Core
IOS1605_87	261.6	1.38	0.59700	0.01200	0.07240	0.00120	0.22969	474.7	7.5	450.5	7.0	581	49	450.5	7.0	5.1	Single Age
IOS1605_88	239.5	1.70	0.59400	0.01300	0.07584	0.00068	0.07081	472.3	8.0	471.2	4.1	464	50	471.2	4.1	0.2	Single Age
IOS1605_89	238.3	1.36	1.75800	0.03500	0.16860	0.00200	0.57771	1028.0	13.0	1004.0	11.0	1075	32	1004.0	11.0	2.3	Single Age
IOS1605_90	612	1.38	0.51370	0.00840	0.06542	0.00088	0.39874	420.4	5.7	408.4	5.3	487	34	408.4	5.3	2.9	Single Age
IOS1605_91	231.8	1.64	0.56500	0.01300	0.07286	0.00072	0.18449	454.1	8.3	453.3	4.3	445	51	453.3	4.3	0.2	Single Age
IOS1605_92	329	4.77	0.36100	0.01300	0.04035	0.00055	0.32356	312.2	9.3	255.0	3.4	749	68	DISC	DISC	18.3	Single Age
IOS1605_93	183.4	2.75	1.82700	0.02800	0.17910	0.00140	0.27672	1054.0	10.0	1061.8	7.6	1031	31	1061.8	7.6	0.7	Single Age
IOS1605_94	288	1.60	0.57600	0.01200	0.07326	0.00079	0.23953	460.9	7.7	455.7	4.8	473	47	455.7	4.8	1.1	Single Age
IOS1605_95	2070	1.10	0.37700	0.01700	0.04058	0.00092	0.16218	324.0	13.0	256.4	5.7	834	92	DISC	DISC	20.9	Rim
IOS1605_95	220.7	1.47	0.52100	0.01600	0.06724	0.00096	0.36174	425.0	11.0	419.5	5.8	440	64	419.5	5.8	1.3	Core
IOS1605_96	126.8	1.64	0.57400	0.01400	0.07406	0.00083	0.15515	460.3	9.5	460.5	5.0	444	57	460.5	5.0	0.0	Single Age
IOS1605_97	1598	1.47	0.52300	0.01000	0.06430	0.00110	0.89201	426.5	6.6	401.6	6.5	560	20	401.6	6.5	5.8	Single Age
IOS1605_98	263	1.37	0.63500	0.01300	0.07250	0.00072	0.15076	497.8	8.1	451.1	4.3	704	53	451.1	4.3	9.4	Single Age
IOS1605_99	315.8	2.19	0.53700	0.01600	0.06470	0.00100	0.38248	435.0	10.0	403.8	6.1	605	62	403.8	6.1	7.2	Single Age

Table A3, con't.

IOS1605_100	409	1.50	0.56250	0.00880	0.07188	0.00071	0.39990	452.7	5.7	447.4	4.3	472	33	447.4	4.3	1.2	Single Age
IOS1605_101	198.6	1.46	0.56300	0.01200	0.07160	0.00110	0.37526	452.7	8.0	445.7	6.4	494	50	445.7	6.4	1.5	Single Age
IOS1605_102	193.5	2.04	0.93700	0.07900	0.06490	0.00160	0.69784	657.0	40.0	405.0	9.9	1590	120	DISC	DISC	38.4	Single Age
IOS1605_103	2100	7.40	0.29800	0.01200	0.03988	0.00098	0.38674	264.3	9.1	252.1	6.1	370	84	252.1	6.1	4.6	Rim
IOS1605_103	366.1	1.67	0.55400	0.01300	0.07077	0.00097	0.37521	446.7	8.5	440.7	5.8	478	47	440.7	5.8	1.3	Core
IOS1605_104	539	8.42	6.16300	0.07700	0.35030	0.00460	0.70632	1997.0	11.0	1935.0	22.0	2064	17	2064.0	17.0	6.3	Single Age
IOS1605_105	213.3	1.70	0.52300	0.01700	0.06180	0.00110	0.36347	426.0	11.0	386.3	6.7	619	69	386.3	6.7	9.3	Single Age
IOS1605_106	102.2	1.94	0.54100	0.02300	0.06950	0.00150	0.26764	438.0	15.0	432.9	8.9	468	81	432.9	8.9	1.2	Single Age
IOS1605_107	298.4	2.30	0.59600	0.01400	0.07220	0.00140	0.54004	473.4	9.0	449.2	8.6	587	46	449.2	8.6	5.1	Single Age
IOS1605_108	316	1.44	0.55400	0.01700	0.06465	0.00092	0.40247	445.0	11.0	403.8	5.5	642	55	403.8	5.5	9.3	Single Age
IOS1605_109	74.3	1.58	0.58700	0.02100	0.06403	0.00088	0.08452	468.0	13.0	400.0	5.3	802	82	DISC	DISC	14.5	Single Age
IOS1605_110	52.8	0.73	0.78500	0.03700	0.09280	0.00220	0.14913	584.0	22.0	572.0	13.0	610	110	572.0	13.0	2.1	Single Age
IOS1605_111	164.8	1.28	1.66400	0.02900	0.15760	0.00150	0.45974	993.0	11.0	943.1	8.2	1103	32	943.1	8.2	5.0	Single Age
IOS1605_112	832	1.43	0.57690	0.00800	0.07399	0.00086	0.62913	462.0	5.1	460.1	5.1	474	25	460.1	5.1	0.4	Single Age
IOS1605_113	220.9	1.98	0.53400	0.01200	0.06840	0.00120	0.33376	433.6	8.4	426.2	7.2	475	55	426.2	7.2	1.7	Single Age
IOS1605_114	34.4	2.75	11.85000	0.18000	0.49150	0.00610	0.43992	2590.0	14.0	2580.0	26.0	2607	25	2607.0	25.0	1.0	Single Age
IOS1605_115	421	2.17	0.55610	0.00960	0.07216	0.00063	0.41734	448.3	6.2	449.1	3.8	436	35	449.1	3.8	0.2	Single Age
IOS1605_116	173.2	1.42	0.56400	0.01300	0.07226	0.00080	0.22928	453.0	8.8	449.7	4.8	456	53	449.7	4.8	0.7	Single Age
IOS1605_117	205	1.57	0.57400	0.01300	0.07312	0.00073	0.23962	459.5	8.3	454.9	4.4	473	49	454.9	4.4	1.0	Single Age
IOS1605_118	605.7	1.34	0.60360	0.00820	0.07609	0.00080	0.34791	479.0	5.2	472.7	4.8	508	31	472.7	4.8	1.3	Single Age
IOS1605_119	750	27.30	0.53900	0.01900	0.06700	0.00210	0.89809	435.0	12.0	418.0	13.0	555	34	418.0	13.0	3.9	Single Age
IOS1605_120	259.5	1.61	0.52300	0.02400	0.06530	0.00160	0.00207	426.0	16.0	407.7	9.9	520	110	407.7	9.9	4.3	Single Age
IOS1605_121	495	0.84	0.90200	0.01100	0.10481	0.00090	0.40607	652.8	6.2	642.5	5.2	687	25	642.5	5.2	1.6	Single Age
IOS1605_122	499	1.49	0.57100	0.01000	0.07278	0.00072	0.30708	458.1	6.5	452.8	4.3	484	40	452.8	4.3	1.2	Single Age
IOS1605_123	393.6	1.04	1.60200	0.02100	0.15730	0.00150	0.52604	970.0	8.1	941.6	8.1	1031	22	941.6	8.1	2.9	Single Age

Table A3, con't.

SAMPLE NAME: IOS1606																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discord-ance**	**Rim/ Core**
IOS1606_1	223	6.36	1.06600	0.01800	0.11980	0.00140	0.41048	735.2	8.9	729.0	8.2	741	33	729.0	8.2	0.8	Single Age
IOS1606_2	987	15.43	0.95700	0.01800	0.10990	0.00180	0.51988	680.8	9.6	672.0	10.0	706	38	672.0	10.0	1.3	Single Age
IOS1606_3	570	1.40	10.88000	0.21000	0.44430	0.00810	0.80825	2507.0	18.0	2366.0	36.0	2625	20	2625.0	20.0	9.9	Single Age
IOS1606_4	135.8	0.80	1.47000	0.22000	0.13280	0.00530	0.87143	895.0	72.0	803.0	30.0	1250	280	DISC	DISC	10.3	Single Age
IOS1606_5	185	4.56	6.53000	0.12000	0.37160	0.00530	0.75339	2046.0	16.0	2035.0	25.0	2060	21	2060.0	21.0	1.2	Single Age
IOS1606_6	826	12.20	0.59300	0.02800	0.07500	0.00450	0.71749	472.0	18.0	466.0	27.0	501	94	466.0	27.0	1.3	Rim
IOS1606_6	129.8	1.82	1.10800	0.02700	0.12290	0.00180	0.40445	755.0	13.0	747.0	10.0	764	49	747.0	10.0	1.1	Core
IOS1606_7	470	1.55	1.02400	0.02600	0.11700	0.00200	0.51594	715.0	13.0	713.0	12.0	714	48	713.0	12.0	0.3	Single Age
IOS1606_8	1610	14.20	0.57400	0.02800	0.06460	0.00340	0.63515	460.0	18.0	403.0	20.0	750	88	DISC	DISC	12.4	Rim
IOS1606_8	432	3.09	0.88300	0.02100	0.09280	0.00210	0.52640	644.0	12.0	572.0	12.0	898	47	DISC	DISC	11.2	Core
IOS1606_9	1264	1.82	0.86110	0.00980	0.10210	0.00110	0.38221	630.3	5.4	626.6	6.5	639	27	626.6	6.5	0.6	Single Age
IOS1606_10	435	1.73	1.87900	0.04500	0.18010	0.00390	0.57672	1072.0	16.0	1067.0	21.0	1103	46	1067.0	21.0	0.5	Single Age
IOS1606_11	99	2.36	1.94000	0.11000	0.15190	0.00650	0.55637	1090.0	35.0	911.0	36.0	1502	91	DISC	DISC	16.4	Single Age
IOS1606_12	356.6	3.69	1.00700	0.01500	0.11510	0.00120	0.26983	706.2	7.7	702.2	6.8	716	33	702.2	6.8	0.6	Single Age
IOS1606_13	287	1.55	0.89300	0.01800	0.10220	0.00130	0.52532	646.7	9.6	627.1	7.7	708	36	627.1	7.7	3.0	Single Age
IOS1606_14	195.8	1.93	0.85100	0.01500	0.10151	0.00089	0.13147	624.1	8.4	623.2	5.2	619	40	623.2	5.2	0.1	Single Age
IOS1606_15	121.9	1.68	0.88800	0.01700	0.10350	0.00110	0.12329	643.6	8.9	634.6	6.6	660	44	634.6	6.6	1.4	Single Age
IOS1606_16	189.7	4.64	1.19700	0.05100	0.11340	0.00250	0.72858	794.0	23.0	692.0	15.0	1077	60	DISC	DISC	12.8	Single Age
IOS1606_17	938	10.80	0.59200	0.03400	0.06770	0.00230	0.64460	471.0	21.0	422.0	14.0	697	90	DISC	DISC	10.4	Rim
IOS1606_17	391	1.20	1.57200	0.02400	0.15700	0.00190	0.47760	958.0	9.4	940.0	10.0	996	30	940.0	10.0	1.9	Core
IOS1606_18	919	4.17	4.84300	0.03900	0.31020	0.00250	0.61517	1791.8	6.8	1741.0	13.0	1849	13	1849.0	13.0	5.8	Single Age

Table A3, con't.

IOS1606_19	108.9	4.88	1.14000	0.03000	0.11500	0.00190	0.41942	770.0	14.0	701.0	11.0	962	50	701.0	11.0	9.0	Single Age
IOS1606_20	2050	46.60	0.90200	0.01600	0.10390	0.00130	0.35957	652.6	8.3	637.1	7.7	701	36	637.1	7.7	2.4	Rim
IOS1606_20	388	2.25	1.46900	0.06700	0.14320	0.00210	0.60146	916.0	26.0	862.0	12.0	1020	65	862.0	12.0	5.9	Core
IOS1606_21	299	2.41	1.43500	0.04000	0.14420	0.00270	0.44204	902.0	17.0	868.0	15.0	990	56	868.0	15.0	3.8	Rim
IOS1606_21	242.1	1.86	1.58100	0.03400	0.16030	0.00210	0.42242	961.0	13.0	958.0	12.0	961	41	958.0	12.0	0.3	Core
IOS1606_22	58.9	1.44	2.07700	0.05000	0.19250	0.00310	0.33386	1137.0	16.0	1134.0	17.0	1133	49	1134.0	17.0	0.3	Single Age
IOS1606_23	66.7	1.06	0.97500	0.03000	0.11140	0.00200	0.30331	687.0	15.0	680.0	12.0	689	65	680.0	12.0	1.0	Single Age
IOS1606_24	349	7.73	12.01000	0.15000	0.47630	0.00570	0.76211	2603.0	11.0	2510.0	25.0	2675	14	2675.0	14.0	6.2	Single Age
IOS1606_25	517	31.50	0.78700	0.05400	0.07290	0.00560	0.38250	587.0	30.0	453.0	34.0	1150	160	DISC	DISC	22.8	Rim
IOS1606_25	386	2.30	1.25500	0.03300	0.13090	0.00300	0.64616	823.0	15.0	792.0	17.0	894	46	792.0	17.0	3.8	Core
IOS1606_26	94.2	1.00	1.30800	0.03400	0.13950	0.00270	0.42093	846.0	15.0	841.0	15.0	852	52	841.0	15.0	0.6	Single Age
IOS1606_28	155.4	1.20	0.98200	0.02700	0.10970	0.00190	0.43993	692.0	14.0	671.0	11.0	746	54	671.0	11.0	3.0	Single Age
IOS1606_29	177	1.32	0.78700	0.02200	0.09610	0.00180	0.49850	587.0	12.0	591.0	10.0	570	51	591.0	10.0	0.7	Single Age
IOS1606_30	217.7	0.40	0.93000	0.01500	0.10690	0.00110	0.28541	666.7	7.7	654.5	6.7	694	36	654.5	6.7	1.8	Single Age
IOS1606_31	127	1.74	0.74600	0.01900	0.08860	0.00140	0.30805	564.0	11.0	547.0	8.2	626	59	547.0	8.2	3.0	Single Age
IOS1606_32	161.4	3.37	1.27800	0.02400	0.13590	0.00180	0.38360	834.0	11.0	821.0	10.0	861	40	821.0	10.0	1.6	Single Age
IOS1606_33	813	9.30	10.65000	0.38000	0.45900	0.01000	0.86797	2488.0	35.0	2432.0	45.0	2525	32	2525.0	32.0	3.7	Single Age
IOS1606_34	845	1.41	1.05700	0.01300	0.11910	0.00120	0.54045	731.8	6.4	725.5	6.8	744	22	725.5	6.8	0.9	Single Age
IOS1606_35	707	25.70	0.44000	0.01100	0.05610	0.00130	0.55766	369.9	7.9	351.5	8.2	488	55	351.5	8.2	5.0	Single Age
IOS1606_36	169	1.31	1.20300	0.02600	0.13110	0.00150	0.28687	801.0	12.0	794.0	8.6	817	44	794.0	8.6	0.9	Single Age
IOS1606_37	499	8.25	1.52700	0.02500	0.15700	0.00200	0.53467	940.0	10.0	940.0	11.0	935	30	940.0	11.0	0.0	Single Age
IOS1606_38	703	0.77	0.84500	0.01000	0.09941	0.00077	0.25228	621.3	5.5	610.9	4.5	651	26	610.9	4.5	1.7	Single Age
IOS1606_39	373	10.19	0.57500	0.03100	0.06650	0.00270	0.71819	460.0	20.0	415.0	16.0	678	85	415.0	16.0	9.8	Rim
IOS1606_39	813	8.04	1.37200	0.01900	0.14300	0.00140	0.52727	876.4	8.2	861.5	7.9	919	24	861.5	7.9	1.7	Core
IOS1606_40	622	9.19	1.03500	0.01600	0.11120	0.00120	0.36893	720.6	7.8	679.7	6.9	850	30	679.7	6.9	5.7	Single Age
IOS1606_41	966	4.24	0.81600	0.01300	0.09060	0.00120	0.33093	605.1	7.2	559.2	6.9	789	35	559.2	6.9	7.6	Single Age

Table A3, con't.

IOS1606_42	145	0.85	1.54700	0.06100	0.15810	0.00340	0.40803	947.0	24.0	946.0	19.0	943	76	946.0	19.0	0.1	Single Age
IOS1606_43	190	3.28	0.93500	0.02000	0.10700	0.00150	0.25297	668.0	10.0	655.0	8.9	706	48	655.0	8.9	1.9	Single Age
IOS1606_44	257.7	13.10	0.80800	0.01500	0.09646	0.00098	0.12326	600.4	8.3	593.6	5.7	614	43	593.6	5.7	1.1	Single Age
IOS1606_46	661	5.25	0.91400	0.01600	0.10700	0.00140	0.60206	658.1	8.3	655.4	8.2	671	31	655.4	8.2	0.4	Single Age
IOS1606_47	102.9	1.18	1.22300	0.03000	0.13500	0.00190	0.27558	810.0	14.0	816.0	11.0	779	54	816.0	11.0	0.7	Single Age
IOS1606_48	376	2.81	1.34700	0.03600	0.13830	0.00210	0.66144	864.0	15.0	835.0	12.0	917	42	835.0	12.0	3.4	Single Age
IOS1606_49	184	1.46	1.13300	0.02900	0.12510	0.00180	0.36131	767.0	14.0	760.0	10.0	788	50	760.0	10.0	0.9	Single Age
IOS1606_50	657	23.10	0.46400	0.02000	0.05880	0.00190	0.18408	386.0	14.0	368.0	12.0	490	120	368.0	12.0	4.7	Rim
IOS1606_50	144	1.05	1.10800	0.02600	0.12290	0.00210	0.35386	757.0	12.0	747.0	12.0	777	49	747.0	12.0	1.3	Core
IOS1606_51	515	2.38	1.61200	0.02300	0.16380	0.00190	0.58095	973.5	9.1	977.0	10.0	962	25	977.0	10.0	0.4	Single Age
IOS1606_52	1128	74.80	0.79100	0.03800	0.09470	0.00450	0.78366	589.0	22.0	583.0	26.0	616	71	583.0	26.0	1.0	Rim
IOS1606_52	116.5	1.77	7.76000	0.26000	0.34250	0.00950	0.85584	2196.0	29.0	1896.0	45.0	2483	28	2483.0	28.0	23.6	Core
IOS1606_53	295.1	63.10	0.82600	0.02000	0.09920	0.00190	0.23399	610.0	11.0	610.0	11.0	605	57	610.0	11.0	0.0	Rim
IOS1606_53	115	1.60	1.27300	0.04400	0.13840	0.00240	0.40720	832.0	20.0	835.0	14.0	814	67	835.0	14.0	0.4	Core
IOS1606_54	69.8	2.47	7.82000	0.14000	0.33180	0.00480	0.58875	2206.0	16.0	1846.0	23.0	2560	25	DISC	DISC	27.9	Single Age
IOS1606_55	966	35.45	0.95300	0.02300	0.10760	0.00200	0.63336	679.0	12.0	659.0	11.0	731	40	659.0	11.0	2.9	Rim
IOS1606_55	437	14.30	1.67400	0.03400	0.16080	0.00230	0.67093	1000.0	14.0	961.0	13.0	1079	33	961.0	13.0	3.9	Core
IOS1606_56	72.7	51.00	1.24100	0.04200	0.12050	0.00250	0.21305	819.0	20.0	733.0	15.0	1072	74	DISC	DISC	10.5	Single Age
IOS1606_57	62.3	1.75	0.92700	0.03200	0.10930	0.00190	0.25595	664.0	17.0	668.0	11.0	627	74	668.0	11.0	0.6	Single Age
IOS1606_58	364	0.73	1.19900	0.01900	0.12940	0.00130	0.42545	799.1	8.9	784.2	7.5	846	30	784.2	7.5	1.9	Single Age
IOS1606_59	217.9	2.14	1.06000	0.02200	0.11810	0.00150	0.25631	732.0	11.0	719.7	8.5	763	44	719.7	8.5	1.7	Single Age
IOS1606_60	362.4	6.25	0.84300	0.01800	0.09980	0.00170	0.54792	620.3	9.7	613.0	10.0	640	43	613.0	10.0	1.2	Rim
IOS1606_60	147	3.43	1.15400	0.04500	0.12730	0.00260	0.35781	777.0	21.0	772.0	15.0	780	81	772.0	15.0	0.6	Core
IOS1606_61	321	2.13	1.14300	0.01600	0.12406	0.00099	0.34850	773.1	7.7	753.8	5.7	818	29	753.8	5.7	2.5	Single Age
IOS1606_62	99.9	1.68	1.30500	0.08400	0.09480	0.00310	0.48954	834.0	36.0	583.0	18.0	1520	110	DISC	DISC	30.1	Single Age
IOS1606_63	1920	157.00	0.74300	0.04500	0.09170	0.00450	0.84748	559.0	26.0	565.0	27.0	531	69	565.0	27.0	1.1	Rim
IOS1606_63	398	3.30	4.01900	0.08400	0.26240	0.00480	0.80980	1635.0	17.0	1501.0	25.0	1813	26	1813.0	26.0	17.2	Core

Table A3, con't.

IOS1606_65	1858	16.89	1.03400	0.02200	0.11530	0.00210	0.71776	721.0	11.0	703.0	12.0	779	32	703.0	12.0	2.5	Single Age
IOS1606_67	137	2.82	0.78300	0.01900	0.09440	0.00120	0.29933	586.0	11.0	581.2	7.2	595	54	581.2	7.2	0.8	Single Age
IOS1606_68	38.24	0.97	0.85900	0.03700	0.09950	0.00170	0.10359	622.0	20.0	611.0	10.0	625	91	611.0	10.0	1.8	Single Age
IOS1606_69	1117	45.60	1.06700	0.02000	0.11920	0.00170	0.69057	738.0	10.0	727.0	10.0	784	30	727.0	10.0	1.5	Single Age
IOS1606_70	129	0.86	5.80000	0.11000	0.34310	0.00480	0.68132	1942.0	16.0	1900.0	23.0	1987	25	1987.0	25.0	4.4	Single Age
IOS1606_71	65.7	1.36	12.16000	0.17000	0.49470	0.00550	0.63477	2614.0	13.0	2589.0	24.0	2635	18	2635.0	18.0	1.7	Single Age
IOS1606_72	212	3.79	1.65400	0.02600	0.16130	0.00210	0.48343	991.0	10.0	964.0	12.0	1048	30	964.0	12.0	2.7	Single Age
IOS1606_73	404.9	1.23	1.11700	0.01800	0.12370	0.00120	0.60220	760.6	8.6	751.5	7.1	782	27	751.5	7.1	1.2	Single Age
IOS1606_74	4780	18.07	0.72000	0.02000	0.08550	0.00250	0.64324	550.0	12.0	529.0	15.0	647	56	529.0	15.0	3.8	Single Age
IOS1606_75	97.7	1.29	1.70100	0.03500	0.16830	0.00220	0.40671	1006.0	13.0	1003.0	12.0	1010	39	1003.0	12.0	0.3	Single Age
IOS1606_76	379	28.10	0.84100	0.02500	0.10040	0.00320	0.54029	617.0	14.0	616.0	19.0	625	62	616.0	19.0	0.2	Single Age
IOS1606_77	856	25.00	0.57100	0.02600	0.06840	0.00340	0.82785	457.0	17.0	426.0	21.0	589	63	426.0	21.0	6.8	Rim
IOS1606_77	241	0.85	1.21000	0.02300	0.13280	0.00190	0.52109	804.0	11.0	804.0	11.0	800	35	804.0	11.0	0.0	Core
IOS1606_78	744	6.59	0.94100	0.03500	0.10990	0.00350	0.76080	672.0	18.0	672.0	20.0	669	52	672.0	20.0	0.0	Rim
IOS1606_78	370.8	1.79	1.34700	0.02900	0.14380	0.00210	0.50277	865.0	12.0	866.0	12.0	857	39	866.0	12.0	0.1	Core
IOS1606_79	502	5.40	0.70200	0.04300	0.08170	0.00430	0.77131	537.0	26.0	506.0	26.0	662	90	506.0	26.0	5.8	Rim
IOS1606_79	401.2	1.19	1.05500	0.02600	0.12160	0.00250	0.60489	729.0	13.0	740.0	15.0	688	43	740.0	15.0	1.5	Core
IOS1606_80	227.8	1.55	1.18500	0.03100	0.13100	0.00300	0.62510	791.0	14.0	793.0	17.0	783	44	793.0	17.0	0.3	Single Age
IOS1606_81	1302	6.23	0.76400	0.02000	0.09087	0.00098	0.45356	576.0	11.0	560.6	5.8	630	53	560.6	5.8	2.7	Single Age
IOS1606_82	125.9	5.54	1.12700	0.02300	0.12350	0.00190	0.27571	764.0	11.0	750.0	11.0	798	46	750.0	11.0	1.8	Single Age
IOS1606_83	710	32.50	14.39000	0.21000	0.51190	0.00610	0.62356	2775.0	14.0	2664.0	26.0	2857	19	2857.0	19.0	6.8	Single Age
IOS1606_84	104.3	3.29	1.06900	0.03000	0.11720	0.00170	0.03620	736.0	15.0	714.4	9.7	781	67	714.4	9.7	2.9	Single Age
IOS1606_85	1160	33.90	0.43300	0.01800	0.05540	0.00120	0.46857	365.0	12.0	347.6	7.3	467	77	347.6	7.3	4.8	Rim
IOS1606_85	66.5	1.27	0.85300	0.04400	0.09540	0.00190	0.27480	622.0	24.0	587.0	11.0	720	110	587.0	11.0	5.6	Core
IOS1606_86	138	2.09	0.89100	0.03000	0.10320	0.00150	0.23220	645.0	16.0	634.6	9.3	662	73	634.6	9.3	1.6	Single Age
IOS1606_87	1080	19.50	0.45200	0.01400	0.05710	0.00200	0.68225	378.0	10.0	358.0	12.0	478	63	358.0	12.0	5.3	Rim
IOS1606_87	334	2.10	0.92900	0.01900	0.10820	0.00130	0.23311	666.2	9.9	662.2	7.5	680	45	662.2	7.5	0.6	Core

Table A3, con't.

IOS1606_88	350	3.99	0.98500	0.02100	0.11330	0.00220	0.49485	694.0	11.0	692.0	12.0	694	45	692.0	12.0	0.3	Single Age
IOS1606_89	3760	42.80	0.39700	0.01200	0.05150	0.00150	0.55751	339.4	8.7	323.9	9.4	425	69	323.9	9.4	4.6	Rim
IOS1606_89	52.4	2.42	0.76800	0.05800	0.08990	0.00290	0.33731	574.0	33.0	555.0	17.0	620	150	555.0	17.0	3.3	Core
IOS1606_90	926	4.20	9.90000	0.13000	0.43910	0.00550	0.77572	2423.0	12.0	2345.0	25.0	2489	15	2489.0	15.0	5.8	Single Age
IOS1606_91	1252	2.26	1.01400	0.01300	0.11570	0.00120	0.62341	710.4	6.4	705.6	6.9	725	20	705.6	6.9	0.7	Single Age
IOS1606_92	104.8	3.73	0.87200	0.02400	0.10250	0.00140	0.11807	635.0	13.0	629.2	8.5	639	63	629.2	8.5	0.9	Single Age
IOS1606_94	250	2.87	0.85400	0.01900	0.10220	0.00150	0.42649	625.0	10.0	627.0	8.7	608	46	627.0	8.7	0.3	Single Age
IOS1606_95	274	2.19	0.89400	0.01800	0.10660	0.00150	0.47157	646.8	9.7	652.5	8.4	621	41	652.5	8.4	0.9	Single Age

SAMPLE NAME: IOS1607

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discord-ance**	**Rim/ Core**
IOS1607_1	735	1.20	0.75500	0.01700	0.09280	0.00180	0.53433	569.8	9.5	572.0	11.0	562	37	572.0	11.0	0.4	Single Age
IOS1607_2	231	2.78	0.91000	0.04000	0.10450	0.00370	0.54140	653.0	22.0	640.0	21.0	727	81	640.0	21.0	2.0	Single Age
IOS1607_3	38	0.64	6.62000	0.20000	0.36910	0.00700	0.44911	2062.0	28.0	2024.0	33.0	2092	53	2092.0	53.0	3.3	Single Age
IOS1607_4	250.5	2.93	1.65800	0.01900	0.16760	0.00150	0.19619	992.0	7.1	998.5	8.4	977	27	998.5	8.4	0.7	Single Age
IOS1607_5	284	6.71	0.94000	0.02300	0.11150	0.00230	0.45919	670.0	12.0	681.0	14.0	623	52	681.0	14.0	1.6	Single Age
IOS1607_6	350	1.41	6.51000	0.11000	0.36520	0.00510	0.67917	2044.0	14.0	2005.0	24.0	2086	21	2086.0	21.0	3.9	Single Age
IOS1607_7	96.1	0.89	0.81300	0.02400	0.09880	0.00190	0.24581	605.0	14.0	607.0	11.0	583	64	607.0	11.0	0.3	Single Age
IOS1607_8	345.5	1.08	0.81300	0.01400	0.09909	0.00089	0.20930	603.6	7.6	609.0	5.2	579	37	609.0	5.2	0.9	Single Age
IOS1607_9	478.7	4.47	0.88800	0.01300	0.10650	0.00110	0.50055	644.4	6.8	652.6	6.4	624	26	652.6	6.4	1.3	Single Age
IOS1607_10	202.7	4.32	0.84800	0.02000	0.09930	0.00180	0.41801	621.0	11.0	610.0	10.0	664	50	610.0	10.0	1.8	Single Age
IOS1607_11	55.3	3.23	1.59800	0.06700	0.12610	0.00390	0.61206	964.0	26.0	765.0	22.0	1449	65	DISC	DISC	20.6	Single Age
IOS1607_12	610	10.60	1.07300	0.04700	0.11960	0.00450	0.93466	732.0	24.0	727.0	26.0	756	36	727.0	26.0	0.7	Single Age
IOS1607_13	191	1.76	1.73100	0.02700	0.17130	0.00190	0.24906	1018.9	9.9	1019.0	10.0	1024	34	1019.0	10.0	0.0	Single Age

Table A3, con't.

IOS1607_14	64.1	1.15	0.71200	0.02100	0.08570	0.00140	0.00528	544.0	12.0	531.2	8.5	598	75	531.2	8.5	2.4	Single Age
IOS1607_15	197.1	1.93	1.61900	0.04500	0.15810	0.00300	0.57716	976.0	18.0	946.0	17.0	1037	42	946.0	17.0	3.1	Single Age
IOS1607_16	93.7	1.74	1.49900	0.04200	0.14900	0.00280	0.32478	926.0	17.0	895.0	16.0	997	59	895.0	16.0	3.3	Single Age
IOS1607_17	86.4	1.04	0.99500	0.04400	0.11080	0.00230	0.26985	697.0	21.0	677.0	13.0	790	95	677.0	13.0	2.9	Single Age
IOS1607_18	71.5	0.68	1.79700	0.04900	0.16770	0.00330	0.04742	1039.0	18.0	999.0	18.0	1114	58	999.0	18.0	3.8	Single Age
IOS1607_19	293.4	1.15	0.81900	0.01400	0.09650	0.00120	0.43538	606.2	8.0	593.6	7.1	654	34	593.6	7.1	2.1	Single Age
IOS1607_20	477	0.58	0.78200	0.01600	0.09290	0.00200	0.39301	585.6	9.2	572.0	12.0	638	49	572.0	12.0	2.3	Single Age
IOS1607_21	119.4	0.90	1.01600	0.08300	0.10350	0.00210	0.86777	699.0	32.0	635.0	12.0	847	84	DISC	DISC	9.2	Single Age
IOS1607_22	43	0.18	6.03000	0.11000	0.34480	0.00590	0.27531	1976.0	16.0	1908.0	28.0	2054	34	2054.0	34.0	7.1	Single Age
IOS1607_23	77.4	1.75	1.22900	0.04900	0.12840	0.00280	0.08037	810.0	22.0	779.0	16.0	883	93	779.0	16.0	3.8	Single Age
IOS1607_24	440	4.60	0.82100	0.02000	0.09840	0.00230	0.47675	607.0	11.0	605.0	14.0	626	50	605.0	14.0	0.3	Single Age
IOS1607_25	317.5	1.00	0.82500	0.02000	0.09690	0.00200	0.31958	608.0	11.0	596.0	12.0	656	42	596.0	12.0	2.0	Single Age
IOS1607_26	513	3.89	1.22100	0.03800	0.12770	0.00330	0.93111	805.0	17.0	774.0	19.0	896	22	774.0	19.0	3.9	Single Age
IOS1607_27	462	5.70	11.33000	0.18000	0.45910	0.00900	0.59032	2547.0	14.0	2431.0	40.0	2656	27	2656.0	27.0	8.5	Single Age
IOS1607_28	350	7.32	1.38100	0.03000	0.14070	0.00290	0.53619	879.0	13.0	848.0	16.0	972	39	848.0	16.0	3.5	Single Age
IOS1607_29	114.6	1.47	0.83100	0.02100	0.09940	0.00130	0.30002	612.0	11.0	610.7	7.8	614	55	610.7	7.8	0.2	Single Age
IOS1607_30	197.6	8.70	6.04000	0.11000	0.34460	0.00570	0.64722	1979.0	17.0	1907.0	27.0	2072	23	2072.0	23.0	8.0	Single Age
IOS1607_31	96.2	1.11	1.60400	0.04600	0.15620	0.00270	0.56569	968.0	18.0	935.0	15.0	1043	50	935.0	15.0	3.4	Single Age
IOS1607_32	577	2.02	1.00300	0.03300	0.10980	0.00320	0.85792	702.0	17.0	671.0	19.0	826	56	671.0	19.0	4.4	Single Age
IOS1607_33	53.9	1.98	0.80200	0.03100	0.09630	0.00160	0.14149	594.0	18.0	592.4	9.3	583	87	592.4	9.3	0.3	Single Age
IOS1607_34	513	6.97	5.92200	0.07900	0.34270	0.00410	0.72744	1963.0	12.0	1898.0	20.0	2035	17	2035.0	17.0	6.7	Single Age
IOS1607_35	204	3.60	0.86000	0.02800	0.10520	0.00320	0.47509	628.0	15.0	644.0	19.0	580	68	644.0	19.0	2.5	Single Age
IOS1607_36	46.1	0.69	0.99300	0.03200	0.11240	0.00180	0.24589	700.0	15.0	687.0	10.0	720	67	687.0	10.0	1.9	Single Age
IOS1607_37	255	0.41	5.30200	0.06100	0.33410	0.00350	0.66636	1867.7	9.8	1858.0	17.0	1884	17	1884.0	17.0	1.4	Single Age
IOS1607_38	153.2	1.70	1.46500	0.03900	0.14160	0.00180	0.23624	915.0	16.0	854.0	10.0	1055	52	DISC	DISC	6.7	Single Age

Table A3, con't.

IOS1607_39	328	3.76	12.42000	0.10000	0.48650	0.00440	0.73882	2635.6	7.7	2555.0	19.0	2699	10	2699.0	10.0	5.3	Single Age
IOS1607_40	170.3	1.24	0.86300	0.01900	0.09960	0.00120	0.41526	631.0	11.0	611.9	7.2	695	45	611.9	7.2	3.0	Single Age
IOS1607_41	523	1.55	1.30800	0.07900	0.10740	0.00140	0.63018	833.0	33.0	657.5	8.0	1282	97	DISC	DISC	21.1	Single Age
IOS1607_42	227.2	1.28	1.48100	0.02500	0.15090	0.00160	0.48020	921.0	10.0	905.7	8.9	970	31	905.7	8.9	1.7	Single Age
IOS1607_43	452	8.60	0.93300	0.01800	0.10590	0.00200	0.55813	667.7	9.8	649.0	12.0	730	42	649.0	12.0	2.8	Single Age
IOS1607_44	190.1	0.74	0.80200	0.01700	0.09480	0.00100	0.31064	596.7	9.5	583.5	6.2	642	44	583.5	6.2	2.2	Single Age
IOS1607_45	982	2.20	0.78200	0.01800	0.09190	0.00180	0.62740	585.0	10.0	567.0	11.0	659	40	567.0	11.0	3.1	Single Age
IOS1607_46	479	112.00	1.03500	0.03500	0.09330	0.00200	0.29531	720.0	17.0	574.0	12.0	1181	62	DISC	DISC	20.3	Single Age
IOS1607_47	150.9	1.89	1.52600	0.04400	0.15390	0.00320	0.57304	937.0	18.0	922.0	18.0	991	52	922.0	18.0	1.6	Single Age
IOS1607_48	2036	2.48	0.72800	0.01900	0.08260	0.00150	0.43817	555.0	11.0	511.7	8.9	713	44	DISC	DISC	7.8	Single Age
IOS1607_49	113.2	0.80	0.82500	0.02900	0.09530	0.00160	0.36040	607.0	16.0	586.8	9.6	681	72	586.8	9.6	3.3	Single Age
IOS1607_50	209	1.12	1.57500	0.04300	0.15360	0.00330	0.59454	956.0	17.0	920.0	19.0	1046	44	920.0	19.0	3.8	Single Age
IOS1607_51	64.3	0.79	5.17300	0.08800	0.33120	0.00490	0.46445	1845.0	14.0	1843.0	23.0	1852	29	1852.0	29.0	0.5	Single Age
IOS1607_52	489	2.05	0.84800	0.01600	0.10090	0.00160	0.49028	624.9	8.6	619.4	9.2	636	39	619.4	9.2	0.9	Single Age
IOS1607_53	228.3	2.49	6.33000	0.25000	0.33100	0.01300	0.73370	2007.0	35.0	1840.0	65.0	2215	48	2215.0	48.0	16.9	Single Age
IOS1607_54	722	46.70	0.95600	0.01500	0.10780	0.00210	0.50910	681.1	8.4	660.0	12.0	753	39	660.0	12.0	3.1	Single Age
IOS1607_55	115	2.23	1.38500	0.04100	0.13940	0.00320	0.35121	879.0	17.0	840.0	18.0	976	63	840.0	18.0	4.4	Single Age
IOS1607_56	295	4.10	1.84700	0.02800	0.17930	0.00190	0.47499	1060.9	9.9	1063.0	10.0	1064	26	1063.0	10.0	0.2	Single Age
IOS1607_57	323	1.54	0.93700	0.03900	0.10390	0.00130	0.21371	662.0	16.0	637.3	7.3	739	57	637.3	7.3	3.7	Single Age
IOS1607_58	76.9	0.88	4.91000	0.10000	0.31360	0.00580	0.60896	1805.0	19.0	1757.0	28.0	1876	32	1876.0	32.0	6.3	Single Age
IOS1607_59	364	0.64	0.85300	0.01600	0.09990	0.00150	0.39986	625.0	8.8	613.8	8.9	667	41	613.8	8.9	1.8	Single Age
IOS1607_60	96.7	1.10	0.96200	0.02800	0.10410	0.00190	0.29371	681.0	14.0	638.0	11.0	839	67	DISC	DISC	6.3	Single Age
IOS1607_61	248	0.67	1.07200	0.02400	0.11730	0.00240	0.37573	739.0	11.0	715.0	14.0	818	51	715.0	14.0	3.2	Single Age
IOS1607_62	332	0.99	0.93500	0.01600	0.10920	0.00110	0.26118	669.1	8.3	668.0	6.4	674	36	668.0	6.4	0.2	Single Age
IOS1607_63	111.5	0.80	0.86400	0.03400	0.09870	0.00290	0.51378	627.0	18.0	606.0	17.0	660	82	606.0	17.0	3.3	Single Age

Table A3, con't.

IOS1607_64	86.7	1.02	1.52000	0.04500	0.15630	0.00330	0.32611	938.0	18.0	936.0	19.0	948	63	936.0	19.0	0.2	Single Age
IOS1607_65	117.9	1.18	4.41000	0.12000	0.28800	0.00780	0.48478	1711.0	22.0	1629.0	39.0	1824	50	1824.0	50.0	10.7	Single Age
IOS1607_66	364	6.44	1.58600	0.02600	0.14570	0.00200	0.53313	964.0	10.0	877.0	11.0	1179	29	DISC	DISC	9.0	Single Age
IOS1607_67	231	1.48	5.19000	0.12000	0.30250	0.00550	0.61986	1845.0	21.0	1706.0	28.0	2016	35	2016.0	35.0	15.4	Single Age
IOS1607_68	545	1.17	0.84200	0.01200	0.10150	0.00110	0.38504	619.2	6.5	623.3	6.3	609	28	623.3	6.3	0.7	Single Age
IOS1607_69	258.3	1.04	0.85600	0.01700	0.10160	0.00150	0.36704	628.7	9.4	623.4	8.7	648	43	623.4	8.7	0.8	Single Age
IOS1607_70	354.8	4.69	10.01000	0.16000	0.39420	0.00610	0.71638	2432.0	15.0	2141.0	28.0	2697	20	2697.0	20.0	20.6	Single Age
IOS1607_101	357	2.02	0.85100	0.01200	0.09900	0.00110	0.53012	624.4	6.7	608.4	6.5	655	28	608.4	6.5	2.6	Single Age
IOS1607_102	157	1.13	3.46000	0.11000	0.22390	0.00420	0.67394	1517.0	25.0	1302.0	22.0	1794	43	DISC	DISC	27.4	Single Age
IOS1607_103	52.8	0.55	0.80800	0.03500	0.08890	0.00140	0.28878	596.0	19.0	548.7	8.4	724	87	DISC	DISC	7.9	Single Age
IOS1607_104	92	0.70	0.84100	0.02200	0.10120	0.00120	0.31940	619.0	13.0	621.1	6.9	580	56	621.1	6.9	0.3	Single Age
IOS1607_105	161.3	0.37	0.80500	0.01800	0.09630	0.00100	0.16259	599.0	11.0	592.7	6.1	604	52	592.7	6.1	1.1	Single Age
IOS1607_106	76.3	0.34	0.86400	0.02700	0.10070	0.00190	0.40437	629.0	15.0	618.0	11.0	638	63	618.0	11.0	1.7	Single Age
IOS1607_107	510	1.03	1.70100	0.02700	0.16600	0.00230	0.41851	1008.0	10.0	990.0	13.0	1035	30	990.0	13.0	1.8	Single Age
IOS1607_108	280.3	3.82	1.09200	0.02800	0.11050	0.00130	0.28722	749.0	14.0	675.5	7.6	965	52	DISC	DISC	9.8	Single Age
IOS1607_109	393	0.48	0.81800	0.01100	0.09760	0.00100	0.22570	607.0	6.5	600.0	6.1	618	32	600.0	6.1	1.2	Single Age
IOS1607_110	182.1	1.08	1.70100	0.03400	0.15920	0.00170	0.36354	1007.0	13.0	952.0	9.5	1116	38	DISC	DISC	5.5	Single Age
IOS1607_111	210.9	1.59	0.82700	0.01500	0.09900	0.00120	0.37166	610.7	8.4	608.5	7.1	614	40	608.5	7.1	0.4	Single Age
IOS1607_112	63.5	0.57	1.57800	0.03500	0.16240	0.00230	0.18267	961.0	14.0	970.0	13.0	945	50	970.0	13.0	0.9	Single Age
IOS1607_113	359.9	1.97	11.65000	0.15000	0.37930	0.00400	0.80659	2575.0	12.0	2072.0	19.0	3002	12	DISC	DISC	31.0	Single Age
IOS1607_114	170	1.02	0.91100	0.02800	0.10210	0.00220	0.48621	655.0	14.0	627.0	13.0	751	58	627.0	13.0	4.3	Single Age
IOS1607_115	85.6	0.61	1.76100	0.04700	0.17520	0.00250	0.43135	1028.0	17.0	1040.0	14.0	1010	49	1040.0	14.0	1.2	Single Age
IOS1607_116	161.4	0.73	0.56800	0.01800	0.06810	0.00140	0.36582	456.0	12.0	424.6	8.2	615	67	DISC	DISC	6.9	Single Age
IOS1607_117	211	0.72	1.95800	0.03200	0.18770	0.00170	0.48021	1100.0	11.0	1108.6	9.2	1089	28	1108.6	9.2	0.8	Single Age
IOS1607_118	92.5	0.75	0.96000	0.03500	0.10800	0.00150	0.57047	678.0	17.0	660.8	8.5	737	59	660.8	8.5	2.5	Single Age

Table A3, con't.

IOS1607_119	67.4	0.37	0.87800	0.03300	0.10430	0.00190	0.39314	636.0	18.0	640.0	11.0	624	77	640.0	11.0	0.6	Single Age
IOS1607_120	762	5.96	0.84800	0.01300	0.10260	0.00110	0.53125	622.6	6.9	629.7	6.6	604	28	629.7	6.6	1.1	Single Age
IOS1607_121	191	1.85	1.48900	0.05100	0.15310	0.00260	0.58981	922.0	20.0	918.0	15.0	938	52	918.0	15.0	0.4	Single Age
IOS1607_122	142.9	0.85	0.86500	0.01600	0.10320	0.00100	0.28677	631.8	8.6	633.3	5.9	615	41	633.3	5.9	0.2	Single Age
IOS1607_123	244.9	0.62	1.58200	0.02500	0.16110	0.00190	0.46133	963.0	10.0	963.0	10.0	969	32	963.0	10.0	0.0	Single Age
IOS1607_124	248.1	0.84	1.13400	0.02800	0.12690	0.00170	0.72237	767.0	13.0	769.8	9.9	761	37	769.8	9.9	0.4	Single Age
IOS1607_125	38.8	0.42	0.85300	0.03200	0.09800	0.00160	0.00442	622.0	17.0	603.8	9.2	672	87	603.8	9.2	2.9	Single Age
IOS1607_126	373	1.93	5.51000	0.11000	0.33220	0.00670	0.80253	1898.0	18.0	1847.0	33.0	1966	23	1966.0	23.0	6.1	Single Age
IOS1607_127	193.3	0.75	0.89700	0.02000	0.10830	0.00140	0.51999	648.0	10.0	664.1	8.6	614	41	664.1	8.6	2.5	Single Age
IOS1607_128	259	1.95	6.03000	0.10000	0.36100	0.00640	0.73579	1978.0	15.0	1986.0	30.0	1974	21	1974.0	21.0	0.6	Single Age
IOS1607_129	1306	2.94	0.82900	0.01200	0.10030	0.00130	0.69455	612.7	7.0	617.3	7.8	606	24	617.3	7.8	0.8	Single Age
IOS1607_130	109	1.21	11.27000	0.22000	0.45870	0.00870	0.63535	2543.0	18.0	2430.0	38.0	2648	28	2648.0	28.0	8.2	Single Age
IOS1607_131	340.3	0.63	5.45600	0.05600	0.33070	0.00350	0.48917	1894.0	9.1	1841.0	17.0	1958	16	1958.0	16.0	6.0	Single Age
IOS1607_132	283.2	12.14	0.76800	0.02100	0.09150	0.00170	0.52319	577.0	12.0	564.1	9.8	636	52	564.1	9.8	2.2	Rim
IOS1607_132	216.4	2.79	1.18200	0.03100	0.12850	0.00220	0.50429	791.0	14.0	779.0	12.0	820	42	779.0	12.0	1.5	Core
IOS1607_133	210	0.79	0.88800	0.01500	0.10560	0.00110	0.12683	644.2	8.2	646.8	6.2	648	40	646.8	6.2	0.4	Single Age
IOS1607_134	250.6	2.46	0.88700	0.01300	0.10350	0.00110	0.51321	644.1	6.9	634.9	6.2	686	29	634.9	6.2	1.4	Single Age
IOS1607_135	466.2	0.60	0.84600	0.01200	0.10040	0.00100	0.54325	621.6	6.8	616.5	5.9	652	27	616.5	5.9	0.8	Single Age
IOS1607_136	59.6	0.46	10.59000	0.15000	0.47030	0.00520	0.61738	2486.0	13.0	2484.0	23.0	2501	20	2501.0	20.0	0.7	Single Age
IOS1607_137	197.3	0.85	11.98000	0.11000	0.48940	0.00420	0.70906	2602.1	8.3	2567.0	18.0	2645	11	2645.0	11.0	2.9	Single Age
IOS1607_138	189.8	2.36	0.84500	0.02000	0.09860	0.00160	0.43145	621.0	11.0	605.9	9.4	696	49	605.9	9.4	2.4	Single Age
IOS1607_139	205.6	1.34	1.86000	0.12000	0.16640	0.00160	0.72569	1034.0	23.0	992.0	9.1	1131	56	992.0	9.1	4.1	Single Age
IOS1607_140	406.6	1.82	1.53400	0.02600	0.15600	0.00250	0.72207	943.0	11.0	934.0	14.0	984	24	934.0	14.0	1.0	Single Age
IOS1607_141	383	6.47	0.85600	0.01300	0.09953	0.00095	0.46794	627.9	7.1	611.6	5.6	704	28	611.6	5.6	2.6	Single Age
IOS1607_142	94.4	0.57	0.90900	0.02700	0.09320	0.00180	0.28811	653.0	14.0	574.0	11.0	940	62	DISC	DISC	12.1	Single Age

Table A3, con't.

IOS1607_143	384	34.00	0.78400	0.01100	0.09454	0.00077	0.37596	587.3	6.5	582.3	4.5	627	28	582.3	4.5	0.9	Single Age
IOS1607_144	835	0.96	0.85400	0.01200	0.10230	0.00130	0.57686	626.0	6.6	627.7	7.8	634	26	627.7	7.8	0.3	Single Age
IOS1607_145	886	1.03	0.81600	0.01700	0.09290	0.00180	0.71595	604.5	9.3	572.0	10.0	741	31	DISC	DISC	5.4	Single Age
IOS1607_146	225.3	0.69	0.82000	0.01600	0.10240	0.00140	0.47021	608.3	8.6	628.0	8.1	547	39	628.0	8.1	3.2	Single Age
IOS1607_147	50.3	0.64	0.91100	0.03200	0.10650	0.00200	0.28878	655.0	17.0	652.0	11.0	666	76	652.0	11.0	0.5	Single Age
IOS1607_148	82.6	0.87	15.34000	0.30000	0.50200	0.01100	0.66418	2833.0	18.0	2617.0	49.0	3001	28	3001.0	28.0	12.8	Single Age
IOS1607_149	654.2	0.75	0.75800	0.01300	0.09270	0.00130	0.61924	572.3	7.6	571.3	7.7	585	31	571.3	7.7	0.2	Single Age
IOS1607_150	280	0.73	1.58200	0.02400	0.15890	0.00190	0.56093	963.2	9.0	950.0	11.0	997	26	950.0	11.0	1.4	Single Age
IOS1607_151	130	3.61	2.28000	0.26000	0.07340	0.00230	0.67232	1120.0	73.0	458.0	14.0	2690	150	DISC	DISC	59.1	Single Age
IOS1607_152	201.6	1.92	1.72800	0.02900	0.17310	0.00290	0.47726	1017.0	11.0	1029.0	16.0	1012	32	1029.0	16.0	1.2	Single Age
IOS1607_153	455	2.01	1.00600	0.01900	0.10620	0.00140	0.41312	707.0	10.0	650.3	8.2	893	38	DISC	DISC	8.0	Single Age
IOS1607_154	331	0.53	1.10700	0.05200	0.10234	0.00090	0.27819	746.0	24.0	628.0	5.2	1069	85	DISC	DISC	15.8	Single Age
IOS1607_155	411	0.43	0.88800	0.01200	0.10262	0.00098	0.37720	644.8	6.5	629.7	5.7	704	27	629.7	5.7	2.3	Single Age
IOS1607_156	298	0.75	1.74900	0.03200	0.17550	0.00290	0.66548	1025.0	12.0	1042.0	16.0	1001	28	1042.0	16.0	1.7	Single Age
IOS1607_157	397	0.66	0.92000	0.02300	0.10390	0.00120	0.40004	660.0	12.0	637.3	7.1	742	51	637.3	7.1	3.4	Single Age
IOS1607_158	86.3	0.49	2.56000	0.42000	0.11560	0.00520	0.92963	1240.0	120.0	704.0	30.0	2210	230	DISC	DISC	43.2	Single Age
IOS1607_159	320	1.73	6.29000	0.14000	0.34930	0.00530	0.59661	2015.0	20.0	1931.0	25.0	2098	31	2098.0	31.0	8.0	Single Age
IOS1607_160	179.6	2.57	0.85900	0.03200	0.10170	0.00240	0.46638	628.0	17.0	624.0	14.0	652	69	624.0	14.0	0.6	Rim
IOS1607_160	194.7	0.70	3.61000	0.11000	0.23680	0.00540	0.63244	1550.0	25.0	1370.0	28.0	1800	46	1800.0	46.0	23.9	Core
IOS1607_161	96.6	0.81	1.10400	0.03300	0.11590	0.00180	0.27828	756.0	17.0	707.0	11.0	878	61	DISC	DISC	6.5	Single Age
IOS1607_162	1099	2.03	0.81100	0.05400	0.09030	0.00260	0.51512	585.0	18.0	557.0	15.0	685	66	557.0	15.0	4.8	Single Age
IOS1607_163	196.3	1.55	1.19000	0.02500	0.12960	0.00190	0.51252	794.0	12.0	785.0	11.0	814	39	785.0	11.0	1.1	Single Age
IOS1607_164	112.8	1.47	7.39000	0.17000	0.38290	0.00600	0.58170	2156.0	21.0	2088.0	28.0	2212	31	2212.0	31.0	5.6	Single Age
IOS1607_165	71.4	0.61	0.94600	0.03600	0.10300	0.00220	0.45316	671.0	18.0	632.0	13.0	806	74	DISC	DISC	5.8	Single Age
IOS1607_166	553	0.84	0.81800	0.01200	0.10110	0.00110	0.41823	606.3	6.7	620.7	6.4	542	31	620.7	6.4	2.4	Single Age

Table A3, con't.

IOS1607_167	559	1.93	0.86200	0.01400	0.10050	0.00100	0.58338	630.7	7.5	617.5	6.0	672	28	617.5	6.0	2.1	Single Age
IOS1607_168	920	1.24	0.85180	0.00890	0.10121	0.00094	0.61164	625.2	4.9	621.4	5.5	639	20	621.4	5.5	0.6	Single Age
IOS1607_169	40.9	0.22	6.05000	0.12000	0.36440	0.00550	0.63291	1977.0	18.0	2001.0	26.0	1955	28	1955.0	28.0	2.4	Single Age
IOS1607_170	80.3	0.49	1.76400	0.04500	0.16910	0.00350	0.48064	1029.0	16.0	1006.0	19.0	1071	47	1006.0	19.0	2.2	Single Age

SAMPLE NAME: IOS1612

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1612_1	464	10.64	0.84300	0.01200	0.10310	0.00120	0.48145	619.8	6.7	632.3	7.1	559	29	632.3	7.1	2.0	Single Age
IOS1612_2	100.1	1.19	5.95800	0.07200	0.36220	0.00400	0.55158	1968.0	10.0	1992.0	19.0	1937	20	1937.0	20.0	2.8	Single Age
IOS1612_3	98.8	0.62	5.39700	0.06800	0.33700	0.00320	0.48735	1883.0	11.0	1872.0	16.0	1887	21	1887.0	21.0	0.8	Single Age
IOS1612_4	347	1.54	9.51000	0.28000	0.40610	0.00990	0.95138	2377.0	29.0	2192.0	46.0	2542	17	2542.0	17.0	13.8	Single Age
IOS1612_5	54.9	0.99	1.20500	0.03800	0.13040	0.00250	0.38838	800.0	17.0	792.0	15.0	819	57	792.0	15.0	1.0	Single Age
IOS1612_6	158.7	9.20	11.91000	0.11000	0.48830	0.00380	0.50780	2595.9	8.9	2565.0	17.0	2617	15	2617.0	15.0	2.0	Single Age
IOS1612_8	76.2	2.40	11.35000	0.20000	0.47930	0.00520	0.71322	2552.0	15.0	2523.0	23.0	2576	19	2576.0	19.0	2.1	Single Age
IOS1612_9	7.59	0.80	8.82000	0.32000	0.38450	0.00990	0.38418	2308.0	33.0	2093.0	46.0	2495	62	2495.0	62.0	16.1	Single Age
IOS1612_10	113.5	1.44	1.73900	0.02900	0.17410	0.00220	0.28373	1021.0	11.0	1034.0	12.0	989	37	1034.0	12.0	1.3	Single Age
IOS1612_11	52.3	2.76	1.70900	0.04900	0.17020	0.00300	0.27501	1006.0	19.0	1012.0	17.0	985	64	1012.0	17.0	0.6	Single Age
IOS1612_12	80.3	1.13	5.20300	0.05800	0.34250	0.00350	0.36314	1851.6	9.4	1898.0	17.0	1799	22	1799.0	22.0	5.5	Single Age
IOS1612_13	163.4	1.40	6.89000	0.06900	0.37800	0.00360	0.50984	2096.3	8.8	2066.0	17.0	2125	17	2125.0	17.0	2.8	Single Age
IOS1612_14	488	8.11	1.14800	0.02000	0.12770	0.00170	0.70303	774.9	9.5	774.7	9.7	778	26	774.7	9.7	0.0	Single Age
IOS1612_15	71.4	2.63	1.07500	0.03400	0.12040	0.00210	0.41797	737.0	17.0	732.0	12.0	731	63	732.0	12.0	0.7	Single Age
IOS1612_16	397	2.09	4.37000	0.16000	0.22780	0.00680	0.88845	1701.0	31.0	1321.0	36.0	2203	25	DISC	DISC	40.0	Single Age
IOS1612_17	144	1.06	1.02400	0.02000	0.11930	0.00130	0.47850	714.0	10.0	727.5	7.9	664	38	727.5	7.9	1.9	Single Age

Table A3, con't.

IOS1612_18	417	1.17	10.69000	0.32000	0.44400	0.01400	0.67664	2486.0	29.0	2360.0	63.0	2602	42	2602.0	42.0	9.3	Single Age
IOS1612_19	419	11.65	1.09100	0.02200	0.12700	0.00230	0.64906	747.0	11.0	770.0	13.0	679	35	770.0	13.0	3.1	Single Age
IOS1612_20	135.9	0.64	11.46000	0.17000	0.46870	0.00660	0.79908	2559.0	14.0	2476.0	29.0	2630	15	2630.0	15.0	5.9	Single Age
IOS1612_22	79.2	1.61	10.78000	0.23000	0.45690	0.00740	0.76569	2501.0	20.0	2423.0	33.0	2564	25	2564.0	25.0	5.5	Single Age
IOS1612_23	428	65.00	2.21700	0.08600	0.19760	0.00520	0.90021	1172.0	28.0	1163.0	28.0	1202	34	1163.0	28.0	0.8	Single Age
IOS1612_24	169	9.90	1.66800	0.08100	0.16700	0.00670	0.81204	975.0	36.0	991.0	38.0	932	51	991.0	38.0	1.6	Single Age
IOS1612_25	191	1.11	6.46000	0.11000	0.37660	0.00540	0.83898	2041.0	15.0	2059.0	26.0	2020	18	2020.0	18.0	1.9	Single Age
IOS1612_26	110.3	0.92	1.76800	0.03100	0.17450	0.00230	0.46700	1033.0	12.0	1036.0	12.0	1025	34	1036.0	12.0	0.3	Single Age
IOS1612_27	126.8	2.21	7.91000	0.16000	0.31970	0.00520	0.52310	2218.0	18.0	1787.0	26.0	2645	29	DISC	DISC	32.4	Single Age
IOS1612_28	558	13.00	0.94100	0.02800	0.10850	0.00330	0.60135	673.0	15.0	663.0	19.0	702	59	663.0	19.0	1.5	Single Age
IOS1612_29	195	7.70	1.05000	0.02200	0.12100	0.00170	0.18740	727.0	11.0	736.3	9.6	698	45	736.3	9.6	1.3	Single Age
IOS1612_30	201	1.66	1.63000	0.03000	0.16520	0.00210	0.56781	980.0	12.0	985.0	12.0	966	31	985.0	12.0	0.5	Single Age
IOS1612_31	173	2.12	1.89500	0.04500	0.17990	0.00280	0.80407	1075.0	16.0	1066.0	16.0	1082	34	1066.0	16.0	0.8	Single Age
IOS1612_32	199.5	2.79	1.09200	0.03500	0.12590	0.00330	0.73666	747.0	17.0	764.0	19.0	682	46	764.0	19.0	2.3	Single Age
IOS1612_33	327	32.80	0.88500	0.02800	0.10760	0.00260	0.65547	642.0	15.0	659.0	15.0	586	55	659.0	15.0	2.6	Single Age
IOS1612_34	136.1	1.04	0.84600	0.02000	0.10060	0.00150	0.50448	620.0	11.0	617.4	9.0	625	46	617.4	9.0	0.4	Single Age
IOS1612_35	45.3	2.34	1.24500	0.03600	0.13880	0.00180	0.08091	819.0	16.0	838.0	10.0	736	67	838.0	10.0	2.3	Single Age
IOS1612_36	919	2.37	1.28300	0.02000	0.13930	0.00220	0.69621	836.9	8.7	840.0	12.0	836	28	840.0	12.0	0.4	Single Age
IOS1612_37	664	9.80	0.67100	0.02100	0.08480	0.00240	0.85676	519.0	13.0	524.0	14.0	502	34	524.0	14.0	1.0	Single Age
IOS1612_38	718	258.00	0.42200	0.01300	0.05640	0.00110	0.71230	356.8	9.5	353.8	6.6	376	50	353.8	6.6	0.8	Single Age
IOS1612_39	97.4	1.24	5.36000	0.10000	0.32050	0.00490	0.70640	1875.0	17.0	1791.0	24.0	1979	25	1979.0	25.0	9.5	Single Age
IOS1612_40	225	1.59	6.73500	0.08800	0.38330	0.00490	0.86147	2075.0	12.0	2090.0	23.0	2059	15	2059.0	15.0	1.5	Single Age
IOS1612_41	179	1.38	0.89100	0.02000	0.10780	0.00140	0.43719	645.0	11.0	659.7	7.9	586	45	659.7	7.9	2.3	Single Age
IOS1612_42	563	0.47	1.69600	0.02200	0.16860	0.00180	0.60974	1006.1	8.3	1004.0	10.0	1013	23	1004.0	10.0	0.2	Single Age
IOS1612_43	410	2.32	0.87400	0.01300	0.10550	0.00100	0.31599	637.0	7.1	646.5	6.1	597	32	646.5	6.1	1.5	Single Age

Table A3, con't.

IOS1612_44	273	13.22	0.70800	0.03900	0.08890	0.00320	0.24639	542.0	23.0	549.0	19.0	510	130	549.0	19.0	1.3	Rim
IOS1612_44	209.9	4.97	0.93900	0.01600	0.11100	0.00120	0.20043	671.3	8.5	678.3	7.2	640	41	678.3	7.2	1.0	Core
IOS1612_45	1980	7.39	1.26000	0.26000	0.07110	0.00340	0.83791	747.0	80.0	445.0	21.0	1610	180	DISC	DISC	40.4	Single Age
IOS1612_46	578	11.90	0.51300	0.04700	0.05910	0.00570	0.69627	419.0	32.0	369.0	35.0	700	140	DISC	DISC	11.9	Rim
IOS1612_46	82.1	0.82	0.97800	0.03600	0.11230	0.00470	0.35242	697.0	21.0	685.0	27.0	745	96	685.0	27.0	1.7	Core
IOS1612_47	351	28.60	0.93600	0.02000	0.11220	0.00140	0.53593	670.0	10.0	685.4	8.1	626	39	685.4	8.1	2.3	Rim
IOS1612_47	305.9	3.69	3.98000	0.18000	0.23190	0.00970	0.79105	1626.0	35.0	1343.0	51.0	2019	50	DISC	DISC	33.5	Core
IOS1612_48	133.5	2.17	1.12000	0.02400	0.12760	0.00150	0.35673	763.0	12.0	774.1	8.7	722	44	774.1	8.7	1.5	Single Age
IOS1612_49	358	1.38	4.74100	0.07800	0.28570	0.00400	0.87050	1771.0	14.0	1619.0	20.0	1959	14	1959.0	14.0	17.4	Single Age
IOS1612_50	542	7.21	9.59000	0.20000	0.39810	0.00830	0.71459	2392.0	19.0	2157.0	38.0	2609	27	2609.0	27.0	17.3	Single Age
IOS1612_51	182	2.91	1.81800	0.03900	0.17900	0.00380	0.60655	1050.0	14.0	1060.0	21.0	1035	38	1060.0	21.0	1.0	Single Age
IOS1612_52	399	1.58	1.70100	0.04300	0.16520	0.00380	0.88373	1006.0	16.0	984.0	21.0	1061	26	984.0	21.0	2.2	Single Age
IOS1612_53	63.7	0.99	1.75000	0.04700	0.17620	0.00330	0.72581	1021.0	18.0	1045.0	18.0	971	44	1045.0	18.0	2.4	Single Age
IOS1612_54	80	0.90	11.56000	0.21000	0.47780	0.00760	0.81455	2564.0	18.0	2515.0	33.0	2605	18	2605.0	18.0	3.5	Single Age
IOS1612_55	436	0.87	6.84900	0.07900	0.38670	0.00410	0.69285	2092.0	10.0	2107.0	19.0	2078	15	2078.0	15.0	1.4	Single Age
IOS1612_56	163.7	2.20	1.01600	0.01900	0.11720	0.00160	0.22321	710.2	9.4	714.4	9.2	683	41	714.4	9.2	0.6	Single Age
IOS1612_57	122.2	0.84	1.68300	0.03500	0.16290	0.00210	0.64216	999.0	13.0	973.0	11.0	1061	34	973.0	11.0	2.6	Single Age
IOS1612_58	38.1	-33.00	0.90800	0.04400	0.10230	0.00220	0.28093	651.0	22.0	627.0	13.0	678	94	627.0	13.0	3.7	Single Age
IOS1612_59	382	1.97	1.28200	0.03300	0.13020	0.00330	0.74190	835.0	15.0	788.0	19.0	960	39	788.0	19.0	5.6	Single Age
IOS1612_60	466	15.40	0.83500	0.02700	0.09880	0.00320	0.56183	612.0	15.0	607.0	19.0	643	64	607.0	19.0	0.8	Single Age
IOS1612_61	422	26.00	2.79000	0.08900	0.23870	0.00570	0.92706	1341.0	26.0	1377.0	30.0	1278	29	1278.0	29.0	7.7	Single Age
IOS1612_62	100	1.53	11.43000	0.26000	0.46020	0.00940	0.82537	2553.0	21.0	2435.0	41.0	2646	23	2646.0	23.0	8.0	Single Age
IOS1612_63	191	1.48	0.83600	0.05100	0.08520	0.00180	0.51273	612.0	27.0	527.0	10.0	904	91	DISC	DISC	13.9	Single Age
IOS1612_64	179	4.30	1.45200	0.06800	0.15200	0.00540	0.86214	903.0	29.0	909.0	31.0	880	48	909.0	31.0	0.7	Single Age
IOS1612_65	78.2	0.59	1.51400	0.03600	0.15590	0.00280	0.72834	932.0	15.0	936.0	15.0	903	40	936.0	15.0	0.4	Single Age

Table A3, con't.

IOS1612_66	113.9	1.94	0.96400	0.04900	0.10090	0.00140	0.55606	679.0	21.0	619.5	8.0	820	65	619.5	8.0	8.8	Single Age
IOS1612_67	59.4	6.32	1.67200	0.04900	0.16780	0.00380	0.66986	1001.0	19.0	998.0	21.0	976	47	998.0	21.0	0.3	Single Age
IOS1612_68	483	28.10	0.91100	0.01400	0.10880	0.00120	0.65898	657.7	7.4	665.4	7.2	612	25	665.4	7.2	1.2	Single Age
IOS1612_69	532	4.32	0.56800	0.02500	0.06840	0.00230	0.75877	456.0	16.0	426.0	14.0	563	64	426.0	14.0	6.6	Rim
IOS1612_69	87.9	0.89	0.91600	0.03100	0.10960	0.00190	0.31594	657.0	17.0	670.0	11.0	571	74	670.0	11.0	2.0	Core
IOS1612_70	600	5.12	0.81200	0.01200	0.09480	0.00100	0.61315	602.8	6.4	584.0	5.9	650	24	584.0	5.9	3.1	Single Age
IOS1612_71	86.4	1.55	0.85400	0.02500	0.10040	0.00160	0.63067	627.0	13.0	616.5	9.4	648	50	616.5	9.4	1.7	Single Age
IOS1612_72	58.22	1.52	1.49200	0.04600	0.15030	0.00240	0.11696	924.0	19.0	902.0	13.0	946	67	902.0	13.0	2.4	Single Age
IOS1612_73	125.3	1.32	1.02800	0.02600	0.11810	0.00190	0.59073	715.0	13.0	720.0	11.0	671	44	720.0	11.0	0.7	Single Age
IOS1612_74	245	5.07	1.29100	0.02800	0.13570	0.00200	0.43506	839.0	12.0	820.0	11.0	864	40	820.0	11.0	2.3	Single Age
IOS1612_75	127	2.56	4.93000	0.15000	0.31180	0.00760	0.91439	1799.0	26.0	1747.0	37.0	1843	22	1843.0	22.0	5.2	Single Age
IOS1612_76	325	0.85	1.02100	0.02100	0.11280	0.00150	0.41735	712.0	10.0	688.7	8.8	770	42	688.7	8.8	3.3	Single Age
IOS1612_77	54.2	1.58	1.59800	0.08300	0.16130	0.00620	0.89220	960.0	35.0	965.0	34.0	934	50	965.0	34.0	0.5	Single Age
IOS1612_78	574	9.84	0.79620	0.00910	0.09524	0.00085	0.56125	594.2	5.2	586.4	5.0	599	21	586.4	5.0	1.3	Single Age
IOS1612_79	1122	12.48	0.88400	0.01700	0.10470	0.00180	0.48217	641.5	9.2	643.0	11.0	609	34	643.0	11.0	0.2	Single Age
IOS1612_80	69.9	0.85	1.77300	0.05700	0.17630	0.00400	0.27023	1033.0	21.0	1046.0	22.0	996	63	1046.0	22.0	1.3	Single Age
IOS1612_81	1071	7.36	0.82370	0.00830	0.09961	0.00073	0.54760	609.7	4.6	612.1	4.3	577	19	612.1	4.3	0.4	Single Age
IOS1612_82	36.26	1.54	1.38000	0.11000	0.11320	0.00270	0.67745	859.0	42.0	691.0	16.0	1260	140	DISC	DISC	19.6	Single Age
IOS1612_83	12.9	1.11	1.21900	0.07300	0.13240	0.00410	0.25370	805.0	35.0	800.0	23.0	740	140	800.0	23.0	0.6	Single Age
IOS1612_84	165.3	1.39	1.85700	0.02400	0.18200	0.00130	0.32129	1064.6	8.7	1077.5	7.2	1015	26	1077.5	7.2	1.2	Single Age
IOS1612_85	350	9.25	0.81100	0.01100	0.09872	0.00093	0.31951	602.1	6.3	606.8	5.5	560	32	606.8	5.5	0.8	Single Age
IOS1612_86	115.9	0.77	1.82500	0.03900	0.17870	0.00350	0.64564	1053.0	13.0	1059.0	19.0	1029	36	1059.0	19.0	0.6	Single Age
IOS1612_87	341	2.40	5.28300	0.07400	0.33600	0.00400	0.80269	1866.0	12.0	1867.0	19.0	1850	15	1850.0	15.0	0.9	Single Age
IOS1612_88	123.5	12.65	0.87400	0.02000	0.10270	0.00120	0.33115	638.0	10.0	630.3	7.0	626	49	630.3	7.0	1.2	Single Age
IOS1612_89	373	14.30	12.21000	0.24000	0.50100	0.00890	0.97637	2612.0	23.0	2614.0	40.0	2610	11	2610.0	11.0	0.2	Single Age

Table A3, con't.

IOS1612_90	76.1	3.94	0.98200	0.02500	0.11400	0.00160	0.20229	692.0	13.0	696.0	9.3	651	57	696.0	9.3	0.6	Single Age
IOS1612_91	102	3.64	1.36500	0.03200	0.14620	0.00230	0.69515	873.0	13.0	879.0	13.0	850	41	879.0	13.0	0.7	Single Age
IOS1612_92	165.9	4.03	1.31200	0.03600	0.13960	0.00250	0.78946	846.0	16.0	842.0	14.0	834	38	842.0	14.0	0.5	Single Age
IOS1612_93	166.3	1.23	0.88700	0.01700	0.10600	0.00100	0.36951	643.5	9.1	649.3	5.9	598	40	649.3	5.9	0.9	Single Age
IOS1612_94	223	6.60	0.78500	0.01900	0.09620	0.00110	0.04547	587.0	11.0	592.2	6.6	537	57	592.2	6.6	0.9	Single Age
IOS1612_95	121.7	1.25	12.50000	0.27000	0.50900	0.01100	0.82101	2639.0	20.0	2651.0	45.0	2621	21	2621.0	21.0	1.1	Single Age
IOS1612_96	83.1	1.18	0.96100	0.02300	0.11150	0.00160	0.24762	682.0	12.0	681.4	9.2	672	54	681.4	9.2	0.1	Single Age
IOS1612_97	568	16.41	0.85400	0.01800	0.09930	0.00120	0.60305	626.2	9.9	610.0	7.3	667	36	610.0	7.3	2.6	Single Age
IOS1612_98	125.8	2.47	0.70500	0.02500	0.08530	0.00140	0.23949	541.0	15.0	527.9	8.2	568	78	527.9	8.2	2.4	Single Age
IOS1612_99	112	1.03	1.13900	0.05000	0.12600	0.00290	0.74776	772.0	23.0	765.0	17.0	781	66	765.0	17.0	0.9	Single Age
IOS1612_100	600	2.85	0.73300	0.02200	0.08570	0.00160	0.33524	557.0	13.0	530.1	9.7	661	57	530.1	9.7	4.8	Single Age
IOS1612_101	1039	20.30	0.87200	0.01100	0.10390	0.00120	0.69835	636.0	6.0	637.1	6.9	627	20	637.1	6.9	0.2	Single Age
IOS1612_102	154	2.17	1.07700	0.02500	0.12070	0.00190	0.38671	741.0	12.0	735.0	11.0	758	46	735.0	11.0	0.8	Single Age
IOS1612_103	117.2	3.50	1.57400	0.04000	0.16190	0.00290	0.65315	959.0	16.0	967.0	16.0	912	46	967.0	16.0	0.8	Single Age
IOS1612_104	308	2.55	2.75000	0.28000	0.16900	0.01000	0.85256	1276.0	70.0	1011.0	58.0	1784	72	DISC	DISC	20.8	Single Age
IOS1612_105	100.1	1.83	5.32800	0.09600	0.33530	0.00500	0.60812	1872.0	16.0	1864.0	24.0	1881	26	1881.0	26.0	0.9	Single Age
IOS1612_106	187.4	4.08	0.97200	0.01900	0.11390	0.00120	0.38338	689.8	9.5	695.3	6.9	676	39	695.3	6.9	0.8	Single Age
IOS1612_107	217.5	3.27	4.34000	0.13000	0.20970	0.00380	0.81552	1693.0	24.0	1226.0	20.0	2349	29	DISC	DISC	47.8	Single Age
IOS1612_108	37.7	1.11	1.34700	0.06300	0.12380	0.00280	0.34213	860.0	28.0	752.0	16.0	1138	85	DISC	DISC	12.6	Single Age
IOS1612_109	99.4	2.59	1.60900	0.03400	0.16330	0.00240	0.56811	973.0	13.0	975.0	13.0	966	40	975.0	13.0	0.2	Single Age
IOS1612_110	205	2.49	0.87900	0.01600	0.10400	0.00130	0.32454	639.2	8.4	637.9	7.8	648	41	637.9	7.8	0.2	Single Age
IOS1612_111	118	1.14	1.62200	0.07900	0.16570	0.00580	0.90427	981.0	31.0	986.0	33.0	979	44	986.0	33.0	0.5	Single Age
IOS1612_112	78.1	3.80	1.05200	0.03000	0.12080	0.00170	0.39085	727.0	15.0	734.8	9.8	701	58	734.8	9.8	1.1	Single Age
IOS1612_113	158.7	1.25	0.86500	0.01700	0.10460	0.00150	0.65301	631.6	9.2	641.3	8.9	602	39	641.3	8.9	1.5	Single Age
IOS1612_114	1500	36.50	0.54900	0.02300	0.07000	0.00320	0.62103	444.0	15.0	436.0	19.0	506	86	436.0	19.0	1.8	Rim

Table A3, con't.

IOS1612_114	613	18.80	0.95300	0.01400	0.11340	0.00120	0.50454	679.1	7.4	692.3	7.0	650	29	692.3	7.0	1.9	Core
IOS1612_115	58.3	1.67	0.87300	0.03500	0.10380	0.00170	0.43820	633.0	19.0	636.7	9.9	613	82	636.7	9.9	0.6	Single Age
IOS1612_116	642	2.15	0.90800	0.01600	0.10660	0.00160	0.47372	655.9	8.9	653.0	9.2	675	37	653.0	9.2	0.4	Single Age
IOS1612_117	911	23.00	4.97000	0.11000	0.30530	0.00640	0.81466	1813.0	18.0	1717.0	32.0	1935	25	1935.0	25.0	11.3	Single Age
IOS1612_118	154	1.54	0.80900	0.01900	0.10040	0.00140	0.37584	600.0	11.0	616.7	8.3	537	51	616.7	8.3	2.8	Single Age
IOS1612_119	356	1.28	0.87000	0.01800	0.10610	0.00180	0.49422	633.6	9.6	650.0	10.0	599	42	650.0	10.0	2.6	Single Age
IOS1612_120	654	10.13	0.78400	0.01300	0.09730	0.00140	0.64003	586.6	7.7	598.2	8.3	557	30	598.2	8.3	2.0	Single Age
IOS1612_121	199	4.00	0.96900	0.02200	0.10610	0.00130	0.46261	686.0	11.0	650.2	7.3	807	45	650.2	7.3	5.2	Single Age
IOS1612_122	1075	4.85	1.20700	0.02600	0.13060	0.00210	0.90822	803.0	12.0	791.0	12.0	869	21	791.0	12.0	1.5	Single Age
IOS1612_123	442	9.31	4.60500	0.08700	0.29620	0.00460	0.88756	1749.0	16.0	1671.0	23.0	1851	17	1851.0	17.0	9.7	Single Age
IOS1612_124	269	5.70	1.15200	0.05700	0.12650	0.00510	0.80606	770.0	27.0	765.0	29.0	802	62	765.0	29.0	0.6	Single Age
IOS1612_125	171	5.59	1.61600	0.05600	0.16390	0.00370	0.58896	971.0	21.0	980.0	20.0	962	60	980.0	20.0	0.9	Single Age
IOS1612_126	642	1.39	1.78800	0.03700	0.17740	0.00290	0.86923	1040.0	13.0	1052.0	16.0	1015	26	1052.0	16.0	1.2	Single Age
IOS1612_127	291	1.64	1.20300	0.02900	0.13410	0.00310	0.85950	798.0	14.0	811.0	18.0	762	33	811.0	18.0	1.6	Single Age
IOS1612_128	221	0.65	0.87700	0.01700	0.10210	0.00100	0.16006	639.4	9.7	626.6	5.9	693	48	626.6	5.9	2.0	Single Age
IOS1612_129	31.6	0.74	0.91200	0.03400	0.10660	0.00210	0.28006	655.0	17.0	653.0	12.0	633	79	653.0	12.0	0.3	Single Age
IOS1612_130	53	3.44	1.56400	0.07100	0.15720	0.00430	0.54783	950.0	27.0	941.0	24.0	967	76	941.0	24.0	0.9	Single Age
IOS1612_131	219	10.50	1.44300	0.05300	0.15250	0.00470	0.88505	903.0	23.0	913.0	27.0	883	37	913.0	27.0	1.1	Single Age
IOS1612_132	711	54.00	9.67000	0.40000	0.42000	0.01700	0.95561	2370.0	46.0	2243.0	80.0	2524	21	2524.0	21.0	11.1	Single Age
IOS1612_133	183.5	0.87	1.11400	0.03900	0.12500	0.00310	0.89990	753.0	20.0	758.0	18.0	757	37	758.0	18.0	0.7	Single Age
IOS1612_134	446.8	22.23	0.95700	0.01500	0.11490	0.00170	0.49333	680.5	7.7	702.1	9.4	627	35	702.1	9.4	3.2	Single Age
IOS1612_135	275	2.97	1.57500	0.07800	0.15920	0.00670	0.91368	941.0	35.0	948.0	38.0	940	42	948.0	38.0	0.7	Single Age
IOS1612_136	83.2	1.34	1.45500	0.03100	0.14600	0.00200	0.46291	909.0	13.0	878.0	11.0	980	40	878.0	11.0	3.4	Single Age
IOS1612_137	573	2.24	10.54000	0.10000	0.46900	0.00460	0.88855	2482.4	8.8	2478.0	20.0	2487	9	2486.8	9.4	0.4	Single Age
IOS1612_138	58.5	0.79	1.06200	0.02800	0.11830	0.00180	0.38982	733.0	13.0	721.0	10.0	765	52	721.0	10.0	1.6	Single Age

Table A3, con't.

IOS1612_139	549	6.10	1.61700	0.02200	0.16350	0.00220	0.63673	975.3	8.6	976.0	12.0	980	23	976.0	12.0	0.1	Single Age
IOS1612_140	335	7.89	0.76900	0.01200	0.09510	0.00120	0.33441	578.6	6.9	586.2	7.1	562	37	586.2	7.1	1.3	Single Age
IOS1612_141	258	1.97	6.80600	0.08700	0.38120	0.00400	0.70038	2086.0	11.0	2081.0	19.0	2095	17	2095.0	17.0	0.7	Single Age
IOS1612_142	267	14.80	3.73000	0.14000	0.24970	0.00630	0.92596	1567.0	31.0	1435.0	33.0	1764	30	1764.0	30.0	18.7	Single Age
IOS1612_143	258.9	2.66	1.26500	0.02200	0.13730	0.00150	0.40177	829.0	9.8	829.4	8.6	833	34	829.4	8.6	0.0	Single Age
IOS1612_144	232	2.76	1.23800	0.03300	0.13640	0.00230	0.67089	814.0	15.0	824.0	13.0	791	40	824.0	13.0	1.2	Single Age

SAMPLE NAME:
IOS1613

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age Ma**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discordance**	**Rim/Core**
IOS1613_1	283	3.39	0.52000	0.01700	0.06970	0.00140	0.48688	423.0	11.0	434.0	8.6	400	60	434.0	8.6	2.6	Single Age
IOS1613_2	467	3.31	0.91700	0.02100	0.10180	0.00180	0.56405	659.0	11.0	625.0	10.0	802	33	625.0	10.0	5.2	Single Age
IOS1613_3	227.7	1.31	0.65600	0.02200	0.07430	0.00210	0.40647	510.0	13.0	462.0	13.0	750	75	462.0	13.0	9.4	Single Age
IOS1613_4	331	3.55	0.54000	0.01600	0.06640	0.00120	0.30121	437.0	11.0	414.3	7.1	558	64	414.3	7.1	5.2	Single Age
IOS1613_5	186.5	2.55	0.56800	0.01500	0.07563	0.00084	0.14057	454.7	9.7	469.9	5.0	383	58	469.9	5.0	3.3	Single Age
IOS1613_6	830	320.00	0.37100	0.03600	0.05380	0.00650	0.50632	319.0	27.0	337.0	40.0	250	220	DISC	DISC	5.6	Rim
IOS1613_6	106.3	1.82	0.59500	0.02300	0.07710	0.00140	0.14704	471.0	14.0	478.9	8.1	427	81	478.9	8.1	1.7	Core
IOS1613_7	142.9	0.90	0.59700	0.01800	0.07390	0.00140	0.32527	473.0	11.0	459.3	8.7	531	66	459.3	8.7	2.9	Single Age
IOS1613_8	169.3	2.38	0.57600	0.01600	0.07044	0.00078	0.25940	460.0	10.0	438.8	4.7	540	58	438.8	4.7	4.6	Single Age
IOS1613_9	171	1.23	0.58100	0.01600	0.07430	0.00100	0.27664	464.0	10.0	461.6	6.1	450	58	461.6	6.1	0.5	Single Age
IOS1613_10	201	2.00	0.55700	0.02000	0.07150	0.00160	0.37433	448.0	13.0	444.9	9.5	429	76	444.9	9.5	0.7	Rim
IOS1613_10	154.4	0.61	0.75500	0.02800	0.09590	0.00210	0.34217	570.0	16.0	590.0	12.0	467	83	590.0	12.0	3.5	Core
IOS1613_11	178.6	2.98	0.58300	0.01700	0.07370	0.00120	0.33044	465.0	11.0	459.4	7.2	466	60	459.4	7.2	1.2	Single Age
IOS1613_14	3.9	-54.00	174.90000	4.50000	1.53600	0.04000	0.78768	5237.0	26.0	5980.0	100.0	5041	32	5041.0	32.0	18.6	Single Age
IOS1613_15	188.1	3.38	0.59400	0.01800	0.07580	0.00110	0.32803	473.0	11.0	470.7	6.8	473	62	470.7	6.8	0.5	Single Age

Table A3, con’t.

IOS1613_16	82.6	1.10	0.57100	0.02100	0.07390	0.00110	0.02273	455.0	14.0	459.7	6.8	450	84	459.7	6.8	1.0	Single Age
IOS1613_17	261.6	2.23	7.26000	0.18000	0.34770	0.00800	0.95093	2134.0	25.0	1920.0	39.0	2376	19	2376.0	19.0	19.2	Single Age
IOS1613_18	311.5	1.57	3.14500	0.02900	0.25580	0.00220	0.51832	1443.6	7.0	1468.0	11.0	1431	18	1431.0	18.0	2.6	Single Age
IOS1613_19	266.1	1.76	0.61900	0.01800	0.07165	0.00085	0.15388	487.0	11.0	446.0	5.1	697	63	446.0	5.1	8.4	Single Age
IOS1613_20	1420	26.80	0.40600	0.01100	0.05450	0.00110	0.38595	345.2	8.0	342.0	7.0	391	60	342.0	7.0	0.9	Rim
IOS1613_20	394	5.02	0.47900	0.01700	0.06440	0.00120	0.31940	400.0	12.0	402.1	7.3	363	65	402.1	7.3	0.5	Core
IOS1613_21	252	2.17	0.59300	0.01200	0.07590	0.00068	0.03135	471.9	7.7	471.6	4.1	483	51	471.6	4.1	0.1	Single Age
IOS1613_22	171	1.02	0.59800	0.02400	0.07520	0.00160	0.23741	474.0	15.0	467.4	9.7	496	87	467.4	9.7	1.4	Single Age
IOS1613_23	221.9	1.94	0.74000	0.05100	0.06590	0.00120	0.29261	569.0	34.0	411.4	7.5	1210	130	DISC	DISC	27.7	Single Age
IOS1613_24	583	6.24	0.54600	0.02100	0.07070	0.00210	0.45500	441.0	14.0	440.0	13.0	450	85	440.0	13.0	0.2	Rim
IOS1613_24	326.6	3.77	0.80100	0.01900	0.09350	0.00170	0.46822	596.0	11.0	576.0	10.0	642	51	576.0	10.0	3.4	Core
IOS1613_25	209.5	1.85	0.59200	0.01300	0.07360	0.00100	0.27753	471.2	8.5	457.5	6.2	498	51	457.5	6.2	2.9	Single Age
IOS1613_26	199	5.00	0.47600	0.07100	0.05650	0.00590	0.54413	393.0	49.0	354.0	36.0	580	280	DISC	DISC	9.9	Rim
IOS1613_26	144.8	3.11	0.65500	0.03600	0.07640	0.00310	0.25188	509.0	22.0	474.0	19.0	640	120	474.0	19.0	6.9	Rim
IOS1613_26	207.6	1.76	1.04300	0.03500	0.11300	0.00340	0.72505	722.0	17.0	689.0	20.0	801	55	689.0	20.0	4.6	Core
IOS1613_27	2327	7.17	0.68600	0.01400	0.08200	0.00150	0.66302	529.8	8.6	507.9	9.0	607	35	507.9	9.0	4.1	Rim
IOS1613_27	298	6.35	1.01700	0.02400	0.11460	0.00130	0.18901	711.0	12.0	699.3	7.7	722	52	699.3	7.7	1.6	Core
IOS1613_28	291.5	1.50	0.57300	0.01500	0.07340	0.00160	0.52417	458.1	9.5	456.3	9.3	430	50	456.3	9.3	0.4	Single Age
IOS1613_29	115.5	1.60	0.62900	0.02600	0.07250	0.00120	0.06371	493.0	16.0	451.4	7.2	650	100	451.4	7.2	8.4	Single Age
IOS1613_30	386	6.62	0.58400	0.03200	0.07370	0.00310	0.46540	465.0	20.0	458.0	18.0	490	120	458.0	18.0	1.5	Rim
IOS1613_30	868	25.50	1.42900	0.02600	0.14710	0.00230	0.79917	899.0	11.0	884.0	13.0	936	26	884.0	13.0	1.7	Core
IOS1613_31	203.7	5.53	0.56200	0.01400	0.07320	0.00097	0.03803	451.8	9.4	455.3	5.8	423	62	455.3	5.8	0.8	Single Age
IOS1613_32	995	22.50	0.40600	0.01100	0.04872	0.00068	0.10194	345.5	8.4	306.7	4.2	622	75	DISC	DISC	11.2	Rim
IOS1613_32	279	3.17	0.64000	0.06600	0.05850	0.00110	0.77057	489.0	37.0	366.4	6.9	1030	160	DISC	DISC	25.1	Core
IOS1613_33	565	3.44	0.76000	0.01300	0.09190	0.00110	0.55026	574.5	7.5	566.5	6.3	599	32	566.5	6.3	1.4	Single Age

Table A3, con't.

IOS1613_34	152.4	2.01	0.77300	0.03200	0.06430	0.00140	0.40144	577.0	18.0	401.5	8.6	1312	80	DISC	DISC	30.4	Single Age
IOS1613_35	218	1.77	0.60800	0.04600	0.07610	0.00320	0.04816	480.0	28.0	473.0	19.0	490	170	473.0	19.0	1.5	Rim
IOS1613_35	325.2	0.88	0.83900	0.01900	0.09728	0.00085	0.10110	617.0	10.0	598.4	5.0	664	46	598.4	5.0	3.0	Core
IOS1613_36	400	3.65	0.50600	0.01400	0.06790	0.00120	0.34414	415.1	9.2	423.5	7.1	348	58	423.5	7.1	2.0	Single Age
IOS1613_37	285	2.18	0.54800	0.01900	0.07050	0.00150	0.16726	444.0	13.0	438.9	9.2	443	82	438.9	9.2	1.1	Rim
IOS1613_37	113	2.28	1.07300	0.08600	0.12110	0.00650	0.75940	734.0	42.0	736.0	38.0	700	110	736.0	38.0	0.3	Core
IOS1613_38	214	1.14	0.53200	0.01500	0.06710	0.00120	0.23975	433.0	10.0	418.6	7.4	478	63	418.6	7.4	3.3	Single Age
IOS1613_39	1350	50.00	0.40000	0.01100	0.05460	0.00130	0.35569	343.1	8.5	342.6	7.7	318	59	342.6	7.7	0.1	Rim
IOS1613_39	102.2	1.53	0.58100	0.02400	0.07400	0.00140	0.22140	463.0	15.0	459.9	8.6	444	90	459.9	8.6	0.7	Core
IOS1613_40	3000	385.00	0.37500	0.01600	0.04940	0.00200	0.56790	322.0	12.0	311.0	12.0	399	79	311.0	12.0	3.4	Rim
IOS1613_40	383	0.63	0.54100	0.01600	0.07170	0.00110	0.41697	438.0	10.0	446.3	6.8	385	60	446.3	6.8	1.9	Core
IOS1613_41	265.9	1.42	0.83200	0.02100	0.09140	0.00150	0.30592	613.0	11.0	563.4	9.0	803	52	563.4	9.0	8.1	Single Age
IOS1613_42	633	5.12	0.51200	0.01100	0.06576	0.00079	0.26931	418.9	7.3	410.5	4.8	471	47	410.5	4.8	2.0	Single Age
IOS1613_43	331	2.02	0.78300	0.01300	0.09564	0.00096	0.35931	586.3	7.6	588.7	5.7	585	36	588.7	5.7	0.4	Single Age
IOS1613_44	192	1.48	0.64400	0.01600	0.07610	0.00110	0.30697	504.0	10.0	472.9	6.6	654	52	472.9	6.6	6.2	Single Age
IOS1613_45	123.6	2.00	6.39000	0.33000	0.27700	0.01200	0.95167	2008.0	49.0	1570.0	63.0	2527	31	DISC	DISC	37.9	Single Age
IOS1613_46	157.8	1.37	0.57500	0.01500	0.07369	0.00080	0.22561	459.5	9.7	458.3	4.8	470	59	458.3	4.8	0.3	Single Age
IOS1613_47	788	13.20	0.40800	0.01700	0.05580	0.00180	0.60900	346.0	12.0	350.0	11.0	325	73	350.0	11.0	1.2	Rim
IOS1613_47	139.8	0.87	0.55900	0.02000	0.07490	0.00140	0.25636	450.0	13.0	465.3	8.5	361	78	465.3	8.5	3.4	Core
IOS1613_48	291	4.04	7.14000	0.15000	0.30790	0.00440	0.83654	2123.0	19.0	1729.0	22.0	2532	20	DISC	DISC	31.7	Single Age
IOS1613_49	1760	202.00	0.38100	0.02600	0.05310	0.00450	0.75536	327.0	19.0	333.0	28.0	290	120	333.0	28.0	1.8	Rim
IOS1613_49	155	0.97	0.55800	0.01600	0.07260	0.00110	0.29179	450.2	9.8	452.3	6.6	421	61	452.3	6.6	0.5	Core
IOS1613_50	161.7	1.07	0.57300	0.01700	0.07100	0.00110	0.33846	460.0	11.0	442.0	6.4	528	61	442.0	6.4	3.9	Single Age
IOS1613_51	2837	557.00	0.35840	0.00450	0.04853	0.00048	0.49933	310.8	3.4	305.4	3.0	336	23	305.4	3.0	1.7	Single Age
IOS1613_52	5050	193.00	0.36600	0.01100	0.05010	0.00170	0.62980	316.3	7.9	315.0	10.0	315	63	315.0	10.0	0.4	Rim

Table A3, con't.

IOS1613_52	347	2.76	0.55200	0.01900	0.07220	0.00200	0.37540	445.0	13.0	449.0	12.0	398	77	449.0	12.0	0.9	Core
IOS1613_53	2580	657.00	0.37000	0.02100	0.04970	0.00250	0.41452	319.0	15.0	313.0	15.0	350	120	313.0	15.0	1.9	Rim
IOS1613_53	115.3	1.08	0.56400	0.01900	0.07170	0.00110	0.15049	452.0	12.0	446.3	6.6	448	73	446.3	6.6	1.3	Core
IOS1613_54	1700	295.00	0.36580	0.00690	0.04893	0.00068	0.55377	316.3	5.1	307.9	4.2	361	37	307.9	4.2	2.7	Rim
IOS1613_54	216	3.16	0.53000	0.03000	0.06560	0.00180	0.22187	430.0	19.0	410.0	11.0	510	120	410.0	11.0	4.7	Core
IOS1613_55	222	1.56	0.56100	0.01500	0.07020	0.00110	0.27873	450.6	9.7	437.3	6.5	496	58	437.3	6.5	3.0	Single Age
IOS1613_56	257.2	1.99	0.79800	0.01700	0.09230	0.00150	0.38248	596.7	9.6	568.7	8.9	688	46	568.7	8.9	4.7	Single Age
IOS1613_57	291	1.49	0.55800	0.01300	0.07224	0.00077	0.33266	449.6	8.6	449.6	4.7	434	49	449.6	4.7	0.0	Rim
IOS1613_57	580	6.18	0.81100	0.01800	0.09700	0.00190	0.57726	602.0	10.0	597.0	11.0	638	42	597.0	11.0	0.8	Core
IOS1613_58	728	18.40	0.41000	0.03400	0.05180	0.00230	0.46231	348.0	24.0	326.0	14.0	480	170	326.0	14.0	6.3	Rim
IOS1613_58	159.3	2.18	0.54300	0.01500	0.07162	0.00087	0.03075	439.0	10.0	445.8	5.2	387	65	445.8	5.2	1.5	Core
IOS1613_59	114.4	1.14	0.56100	0.01900	0.06920	0.00100	0.09802	450.0	13.0	431.4	6.2	515	77	431.4	6.2	4.1	Single Age
IOS1613_60	122.3	1.33	0.59200	0.01700	0.07140	0.00110	0.21070	471.0	11.0	444.6	6.5	583	64	444.6	6.5	5.6	Single Age
IOS1613_61	691	55.00	0.42200	0.01000	0.05670	0.00110	0.51757	357.4	7.7	355.5	6.6	365	50	355.5	6.6	0.5	Rim
IOS1613_61	80.5	0.70	0.57400	0.04500	0.07460	0.00240	0.11619	458.0	28.0	464.0	14.0	400	160	464.0	14.0	1.3	Core
IOS1613_62	339	2.83	0.50300	0.02200	0.06420	0.00190	0.65050	412.0	14.0	401.0	12.0	480	71	401.0	12.0	2.7	Rim
IOS1613_62	421	3.37	0.88900	0.02200	0.10670	0.00140	0.33742	645.0	12.0	653.6	8.3	610	52	653.6	8.3	1.3	Core
IOS1613_63	143.1	1.16	0.62300	0.02300	0.05880	0.00120	0.19482	488.0	15.0	368.1	7.1	1060	73	DISC	DISC	24.6	Single Age
IOS1613_64	370	4.56	0.27000	0.01600	0.02003	0.00073	0.32358	242.0	13.0	127.9	4.6	1560	120	DISC	DISC	47.1	Rim
IOS1613_64	402.5	3.01	0.41600	0.01700	0.05282	0.00079	0.28093	352.0	12.0	331.8	4.8	476	82	331.8	4.8	5.7	Rim
IOS1613_64	139.4	0.78	0.55200	0.05200	0.07110	0.00270	0.33474	444.0	33.0	443.0	16.0	430	190	443.0	16.0	0.2	Core
IOS1613_65	190.1	3.84	0.65700	0.02100	0.07470	0.00110	0.29281	511.0	13.0	464.5	6.7	716	67	464.5	6.7	9.1	Rim
IOS1613_65	263	3.15	0.71300	0.02100	0.08610	0.00140	0.45963	546.0	12.0	532.5	8.5	616	55	532.5	8.5	2.5	Core
IOS1613_66	223	1.69	0.55300	0.01400	0.07043	0.00077	0.24778	445.6	9.2	438.7	4.6	478	55	438.7	4.6	1.5	Single Age
IOS1613_67	101.8	1.23	0.61500	0.01800	0.07322	0.00092	0.12333	484.0	12.0	455.5	5.5	603	68	455.5	5.5	5.9	Single Age

Table A3, con't.

IOS1613_68	2190	110.00	0.37320	0.00430	0.05024	0.00043	0.24573	321.8	3.2	315.9	2.7	361	26	315.9	2.7	1.8	Single Age
IOS1613_69	538	1.94	0.81800	0.01200	0.09593	0.00081	0.44649	606.3	6.4	591.1	4.9	664	27	591.1	4.9	2.5	Single Age
IOS1613_70	171.6	2.42	0.57300	0.02500	0.07390	0.00110	0.28753	453.0	13.0	459.3	6.3	438	84	459.3	6.3	1.4	Single Age
IOS1613_71	377	1.01	0.63500	0.01300	0.07290	0.00058	0.27219	498.0	8.2	453.6	3.5	689	42	453.6	3.5	8.9	Single Age
IOS1613_72	199.8	5.01	0.58200	0.03800	0.07470	0.00170	0.25632	462.0	22.0	464.0	10.0	420	120	464.0	10.0	0.4	Single Age
IOS1613_73	1118	55.20	0.58400	0.04900	0.05290	0.00120	0.34231	459.0	31.0	332.5	7.3	1070	160	DISC	DISC	27.6	Rim
IOS1613_73	89.2	1.58	0.64000	0.02800	0.07480	0.00130	0.08061	500.0	18.0	465.1	7.9	630	110	465.1	7.9	7.0	Core
IOS1613_74	788	1.63	0.55100	0.01000	0.06899	0.00063	0.60463	446.1	7.0	430.1	3.8	525	38	430.1	3.8	3.6	Single Age
IOS1613_75	326	1.39	0.63400	0.01400	0.07382	0.00074	0.25897	497.5	8.6	459.1	4.4	659	48	459.1	4.4	7.7	Single Age
IOS1613_76	146.1	2.47	0.55800	0.01800	0.07090	0.00140	0.28305	448.0	11.0	441.2	8.7	470	68	441.2	8.7	1.5	Single Age
IOS1613_77	150.2	2.41	0.57200	0.01700	0.07270	0.00084	0.17243	457.0	11.0	452.3	5.0	478	68	452.3	5.0	1.0	Single Age
IOS1613_78	406	4.38	0.52930	0.00940	0.06919	0.00069	0.18054	431.4	6.4	431.2	4.2	419	42	431.2	4.2	0.0	Single Age
IOS1613_79	215	0.94	0.56600	0.01100	0.07274	0.00078	0.08600	454.8	6.9	452.5	4.7	467	46	452.5	4.7	0.5	Single Age
IOS1613_80	213	1.95	0.57700	0.01500	0.07273	0.00078	0.04982	460.8	9.3	452.5	4.7	499	59	452.5	4.7	1.8	Single Age
IOS1613_81	2210	155.00	0.38240	0.00900	0.04906	0.00092	0.61550	328.4	6.6	308.7	5.7	467	42	308.7	5.7	6.0	Rim
IOS1613_81	211	1.19	0.67000	0.05400	0.06610	0.00180	0.04084	514.0	30.0	412.0	11.0	980	160	DISC	DISC	19.8	Core
IOS1613_82	1199	5.97	0.43240	0.00870	0.05768	0.00091	0.48833	365.3	5.9	361.4	5.5	394	40	361.4	5.5	1.1	Single Age
IOS1613_83	136.7	2.34	0.68700	0.02400	0.07170	0.00110	0.28260	528.0	14.0	446.0	6.4	876	71	DISC	DISC	15.5	Single Age
IOS1613_84	372	3.62	0.54800	0.02200	0.07370	0.00240	0.30496	442.0	14.0	458.0	15.0	390	100	458.0	15.0	3.6	Rim
IOS1613_84	134.9	0.51	0.82800	0.02300	0.09890	0.00130	0.07236	611.0	13.0	608.0	7.9	615	67	608.0	7.9	0.5	Core
IOS1613_85	262	3.03	0.61300	0.03900	0.07710	0.00430	0.45308	484.0	24.0	478.0	26.0	510	130	478.0	26.0	1.2	Rim
IOS1613_85	100.3	1.19	1.00400	0.02800	0.11600	0.00120	0.02485	703.0	14.0	707.2	7.1	676	65	707.2	7.1	0.6	Core
IOS1613_86	2920	386.00	0.36450	0.00440	0.04935	0.00039	0.37457	315.5	3.2	310.5	2.4	355	26	310.5	2.4	1.6	Single Age
IOS1613_87	168.7	2.21	0.58400	0.01800	0.07650	0.00100	0.27757	465.0	11.0	475.4	6.2	399	65	475.4	6.2	2.2	Single Age
IOS1613_88	83.6	1.15	0.54100	0.01700	0.06670	0.00100	0.16544	438.0	11.0	416.0	6.2	528	69	416.0	6.2	5.0	Single Age

Table A3, con't.

IOS1613_89	911	14.70	0.72600	0.02100	0.08770	0.00250	0.23357	554.0	12.0	542.0	15.0	599	76	542.0	15.0	2.2	Rim
IOS1613_89	308.3	3.35	0.96300	0.02200	0.11140	0.00130	0.10021	684.0	12.0	680.8	7.5	690	52	680.8	7.5	0.5	Core
IOS1613_90	380	1.13	0.56400	0.01500	0.06616	0.00071	0.29783	453.0	9.3	412.9	4.3	661	68	412.9	4.3	8.9	Single Age
IOS1613_91	163	1.29	0.49000	0.01500	0.05709	0.00095	0.14664	403.0	10.0	357.8	5.8	644	73	DISC	DISC	11.2	Single Age
IOS1613_92	129.6	0.93	0.57200	0.01600	0.07248	0.00085	0.12276	458.0	10.0	451.0	5.1	463	62	451.0	5.1	1.5	Single Age
IOS1613_93	137.8	1.71	0.52100	0.01700	0.06790	0.00140	0.43888	424.0	12.0	423.3	8.3	408	67	423.3	8.3	0.2	Single Age
IOS1613_94	92.7	1.45	0.53800	0.02100	0.07070	0.00160	0.13224	434.0	14.0	440.2	9.7	389	91	440.2	9.7	1.4	Single Age
IOS1613_95	632	44.00	0.38840	0.00830	0.05214	0.00063	0.53492	332.5	6.0	327.6	3.9	344	41	327.6	3.9	1.5	Single Age
IOS1613_96	2080	496.00	0.37430	0.00420	0.05177	0.00036	0.40374	322.7	3.1	325.4	2.2	299	24	325.4	2.2	0.8	Single Age
IOS1613_97	1677	436.00	0.37510	0.00740	0.05189	0.00081	0.54855	323.1	5.5	326.1	5.0	303	40	326.1	5.0	0.9	Rim
IOS1613_97	287	2.59	0.53500	0.02100	0.06880	0.00140	0.21232	434.0	14.0	428.9	8.1	453	79	428.9	8.1	1.2	Core
IOS1613_98	457	2.25	0.45700	0.02300	0.06430	0.00230	0.01397	382.0	16.0	402.0	14.0	270	130	402.0	14.0	5.2	Rim
IOS1613_98	252.8	0.97	0.58200	0.01300	0.07604	0.00083	0.06658	465.9	8.6	472.4	5.0	426	54	472.4	5.0	1.4	Core
IOS1613_99	121.1	1.13	0.60100	0.01800	0.07541	0.00090	0.08784	476.0	12.0	468.6	5.4	505	68	468.6	5.4	1.6	Single Age
IOS1613_100	199.2	2.09	0.58200	0.01300	0.07489	0.00092	0.17825	464.3	8.1	465.5	5.5	458	51	465.5	5.5	0.3	Single Age
IOS1613_101	157	2.53	0.59700	0.02500	0.07570	0.00140	0.03002	474.0	16.0	470.1	8.7	493	95	470.1	8.7	0.8	Rim
IOS1613_101	96.6	2.45	0.92200	0.03600	0.11040	0.00190	0.14433	661.0	19.0	675.0	11.0	620	88	675.0	11.0	2.1	Core
IOS1613_102	4.04	-54.00	156.50000	5.50000	1.37500	0.04900	0.81736	5118.0	36.0	5540.0	130.0	5050	43	5050.0	43.0	9.7	Single Age
IOS1613_103	116.7	3.80	0.62400	0.02000	0.08110	0.00160	0.23300	491.0	13.0	502.3	9.3	447	71	502.3	9.3	2.3	Single Age
IOS1613_104	490	1.34	0.54700	0.01100	0.07170	0.00110	0.53599	441.9	7.5	446.0	6.7	434	41	446.0	6.7	0.9	Single Age
IOS1613_105	492	7.20	0.72100	0.01700	0.08820	0.00180	0.44986	550.0	10.0	545.0	10.0	596	51	545.0	10.0	0.9	Rim
IOS1613_105	155.9	0.96	0.88000	0.03500	0.10410	0.00240	0.48915	639.0	19.0	638.0	14.0	669	70	638.0	14.0	0.2	Core
IOS1613_106	3000	265.00	0.40050	0.00540	0.05203	0.00033	0.50004	341.7	3.9	327.0	2.0	459	25	327.0	2.0	4.3	Single Age
IOS1613_107	604	3.36	0.52300	0.01100	0.06809	0.00075	0.21770	426.5	7.2	424.6	4.5	446	48	424.6	4.5	0.4	Single Age
IOS1613_108	212.1	2.97	0.53400	0.01100	0.06998	0.00072	0.04534	433.6	7.4	436.0	4.3	426	50	436.0	4.3	0.6	Single Age

Table A3, con’t.

IOS1613_109	361	4.56	0.55300	0.01100	0.07309	0.00097	0.41690	446.9	7.7	454.6	5.8	413	45	454.6	5.8	1.7	Single Age
IOS1613_110	145.5	1.06	0.55100	0.01500	0.06997	0.00072	0.08334	444.0	10.0	435.9	4.3	475	62	435.9	4.3	1.8	Single Age
IOS1613_111	220.7	0.86	0.54100	0.02200	0.07160	0.00130	0.31416	438.0	14.0	445.5	7.8	388	82	445.5	7.8	1.7	Single Age
IOS1613_112	743	1.11	0.55000	0.00830	0.07145	0.00069	0.43277	444.5	5.4	444.8	4.2	437	32	444.8	4.2	0.1	Single Age
IOS1613_113	611	5.20	0.38290	0.00820	0.05037	0.00086	0.49721	328.6	6.0	316.7	5.3	417	43	316.7	5.3	3.6	Single Age
IOS1613_114	157.7	1.31	0.60700	0.01900	0.07880	0.00100	0.31445	482.0	13.0	488.9	6.1	449	70	488.9	6.1	1.4	Single Age
IOS1613_115	104.6	1.20	0.63900	0.02100	0.07650	0.00150	0.31733	499.0	13.0	475.1	8.7	616	72	475.1	8.7	4.8	Single Age
IOS1613_116	234	1.82	1.48400	0.04300	0.14420	0.00320	0.50891	920.0	17.0	868.0	18.0	1058	57	868.0	18.0	5.7	Single Age
IOS1613_118	86.1	1.77	0.55700	0.02000	0.07320	0.00140	0.09966	447.0	13.0	455.2	8.4	411	80	455.2	8.4	1.8	Single Age
IOS1613_119	392	7.77	0.41500	0.01400	0.05550	0.00150	0.41058	351.0	10.0	348.3	9.2	379	71	348.3	9.2	0.8	Rim
IOS1613_119	86.2	1.75	0.57600	0.04300	0.07290	0.00430	0.31178	458.0	27.0	453.0	26.0	500	160	453.0	26.0	1.1	Core
IOS1613_120	1456	389.00	0.37400	0.01200	0.05310	0.00160	0.69553	322.2	9.2	333.0	10.0	257	54	333.0	10.0	3.4	Rim
IOS1613_120	190.2	2.81	0.55400	0.02100	0.07310	0.00170	0.61837	445.0	14.0	455.0	10.0	395	63	455.0	10.0	2.2	Core
IOS1613_121	195	1.51	0.57000	0.01400	0.07390	0.00110	0.16246	456.6	9.3	459.4	6.4	436	59	459.4	6.4	0.6	Single Age
IOS1613_122	462	9.29	0.49400	0.03100	0.06450	0.00220	0.29793	407.0	21.0	403.0	13.0	430	130	403.0	13.0	1.0	Rim
IOS1613_122	221	1.94	0.58200	0.01700	0.07386	0.00083	0.04582	464.0	11.0	459.3	5.0	480	69	459.3	5.0	1.0	Core
IOS1613_123	183	1.00	0.57200	0.01600	0.07570	0.00120	0.02560	458.0	11.0	470.0	7.0	400	69	470.0	7.0	2.6	Single Age
IOS1613_124	1236	170.00	0.38000	0.01100	0.04951	0.00050	0.51205	326.3	8.1	311.5	3.1	432	58	311.5	3.1	4.5	Rim
IOS1613_124	87	0.89	0.55700	0.04300	0.07260	0.00300	0.27660	447.0	28.0	452.0	18.0	430	170	452.0	18.0	1.1	Core
IOS1613_125	158.4	2.07	0.55000	0.01600	0.07150	0.00130	0.26106	444.0	11.0	445.0	7.7	430	66	445.0	7.7	0.2	Single Age
IOS1613_126	234	1.78	0.58300	0.01300	0.07225	0.00098	0.06299	465.6	8.1	449.6	5.9	537	56	449.6	5.9	3.4	Single Age
IOS1613_127	80.6	0.93	0.57300	0.02200	0.07250	0.00120	0.08278	457.0	14.0	451.2	6.9	462	83	451.2	6.9	1.3	Single Age
IOS1613_128	99.4	0.77	0.55100	0.01900	0.07290	0.00150	0.18497	445.0	13.0	453.4	9.2	378	78	453.4	9.2	1.9	Single Age
IOS1613_129	210	2.76	0.53900	0.02000	0.06880	0.00220	0.49846	435.0	13.0	428.0	13.0	463	76	428.0	13.0	1.6	Single Age
IOS1613_130	174.9	2.12	0.53900	0.01500	0.07087	0.00069	0.13537	436.4	9.6	441.3	4.2	383	58	441.3	4.2	1.1	Single Age

Table A3, con't.

IOS1613_131	148.4	1.29	0.56600	0.01400	0.07157	0.00076	0.21872	454.2	8.9	445.6	4.6	467	53	445.6	4.6	1.9	Single Age
IOS1613_132	203	1.60	0.58100	0.01600	0.07340	0.00120	0.30585	463.0	10.0	456.5	6.9	469	59	456.5	6.9	1.4	Single Age
IOS1613_133	483	6.62	0.44700	0.01600	0.05960	0.00170	0.55639	374.0	11.0	373.0	10.0	363	65	373.0	10.0	0.3	Rim
IOS1613_133	152.7	1.44	0.57900	0.02100	0.07420	0.00120	0.09289	463.0	13.0	461.5	7.5	442	84	461.5	7.5	0.3	Core
IOS1613_134	128	1.88	0.55600	0.01800	0.06973	0.00084	0.15289	447.0	11.0	434.5	5.1	477	69	434.5	5.1	2.8	Single Age
IOS1613_135	171.7	1.95	0.57500	0.01900	0.07120	0.00150	0.37084	459.0	12.0	443.2	8.9	505	69	443.2	8.9	3.4	Single Age
IOS1613_136	259	2.08	0.55700	0.01200	0.07020	0.00100	0.14104	448.8	7.9	437.2	6.1	485	52	437.2	6.1	2.6	Single Age
IOS1613_137	171.5	3.01	0.62800	0.02200	0.07087	0.00088	0.08642	492.0	13.0	441.3	5.3	692	68	DISC	DISC	10.3	Single Age
IOS1613_138	124	1.16	0.85100	0.03500	0.06582	0.00098	0.38679	626.0	19.0	410.9	5.9	1455	69	DISC	DISC	34.4	Single Age
IOS1613_139	830	20.80	0.44600	0.02500	0.05610	0.00310	0.54927	373.0	17.0	352.0	19.0	490	110	352.0	19.0	5.6	Rim
IOS1613_139	103.7	1.37	0.63100	0.02800	0.06830	0.00170	0.47930	495.0	18.0	425.0	10.0	774	85	DISC	DISC	14.1	Core
IOS1613_140	240	4.71	0.66700	0.03700	0.06630	0.00380	0.47159	517.0	22.0	414.0	23.0	990	130	DISC	DISC	19.9	Single Age

SAMPLE NAME: IOS1614

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discordance**	**Rim/Core**
IOS1614_1	356	7.31	0.86900	0.02000	0.09274	0.00075	0.17501	633.0	11.0	571.7	4.5	834	47	571.7	4.5	9.7	Single Age
IOS1614_2	466	5.94	0.87600	0.01100	0.10279	0.00069	0.26925	638.1	5.7	630.7	4.0	652	27	630.7	4.0	1.2	Single Age
IOS1614_3	56.7	1.37	0.81800	0.04400	0.08810	0.00130	0.25804	598.0	23.0	545.3	8.0	780	110	545.3	8.0	8.8	Single Age
IOS1614_4	249	2.57	5.41000	0.14000	0.31330	0.00690	0.93480	1882.0	23.0	1754.0	35.0	2018	17	2018.0	17.0	13.1	Single Age
IOS1614_5	685	26.90	0.42800	0.01700	0.05590	0.00190	0.61393	362.0	12.0	350.0	12.0	425	72	350.0	12.0	3.3	Rim
IOS1614_5	134.1	5.66	0.66700	0.02000	0.08240	0.00120	0.21252	517.0	13.0	510.6	7.2	522	68	510.6	7.2	1.2	Core
IOS1614_6	58.8	0.84	0.94500	0.03300	0.11110	0.00210	0.25823	670.0	17.0	679.0	12.0	635	76	679.0	12.0	1.3	Single Age
IOS1614_7	178.4	2.18	1.00000	0.02100	0.11280	0.00130	0.30533	702.0	10.0	688.8	7.7	744	44	688.8	7.7	1.9	Single Age

Table A3, con't.

IOS1614_8	530	2.29	1.56300	0.01500	0.15895	0.00099	0.31061	955.8	6.1	950.9	5.5	977	18	950.9	5.5	0.5	Single Age
IOS1614_9	572	9.36	4.18000	0.17000	0.20290	0.00590	0.93564	1663.0	33.0	1190.0	31.0	2346	30	DISC	DISC	28.4	Rim
IOS1614_9	162	0.94	18.76000	0.75000	0.55100	0.01900	0.96323	3016.0	42.0	2819.0	81.0	3173	19	3173.0	19.0	11.2	Core
IOS1614_10	241	1.86	1.81100	0.02600	0.17690	0.00150	0.24769	1048.0	9.6	1049.6	8.4	1063	30	1049.6	8.4	0.2	Single Age
IOS1614_11	261.8	1.05	0.87700	0.01300	0.10566	0.00083	0.12852	638.6	7.0	647.4	4.8	626	35	647.4	4.8	1.4	Single Age
IOS1614_12	290	3.33	1.69000	0.02300	0.16900	0.00160	0.55939	1003.2	8.8	1006.5	9.0	1009	24	1006.5	9.0	0.3	Single Age
IOS1614_13	233	1.75	0.78200	0.02900	0.08633	0.00098	0.40638	582.0	16.0	533.7	5.8	786	71	533.7	5.8	8.3	Single Age
IOS1614_14	113	-1640.00	0.92700	0.02800	0.11070	0.00150	0.22852	664.0	14.0	676.9	8.5	606	63	676.9	8.5	1.9	Single Age
IOS1614_15	134.3	0.74	1.54900	0.03100	0.15680	0.00140	0.26656	950.0	13.0	938.8	7.9	973	39	938.8	7.9	1.2	Single Age
IOS1614_16	1121	4.74	0.58000	0.02100	0.06870	0.00230	0.71835	464.0	14.0	428.0	14.0	629	70	428.0	14.0	7.8	Rim
IOS1614_16	127	1.03	1.21100	0.03300	0.13210	0.00180	0.31546	803.0	15.0	800.0	10.0	784	47	800.0	10.0	0.4	Core
IOS1614_17	2870	28.99	0.59300	0.01400	0.07350	0.00130	0.44629	472.8	9.2	457.5	7.9	531	49	457.5	7.9	3.2	Rim
IOS1614_17	680	6.56	1.00400	0.02600	0.11520	0.00190	0.60523	706.0	13.0	703.0	11.0	689	38	703.0	11.0	0.4	Core
IOS1614_18	1200	9.36	3.33000	0.16000	0.20700	0.01100	0.95752	1482.0	39.0	1211.0	59.0	1897	27	DISC	DISC	36.2	Rim
IOS1614_18	577	1.47	5.53300	0.05100	0.33200	0.00340	0.72041	1905.0	8.0	1848.0	16.0	1951	14	1951.0	14.0	5.3	Core
IOS1614_19	529.8	8.89	0.75600	0.01300	0.08850	0.00067	0.19128	570.7	7.5	546.6	4.0	647	36	546.6	4.0	4.2	Single Age
IOS1614_20	556	7.24	10.69000	0.33000	0.44100	0.01200	0.97560	2496.0	30.0	2345.0	57.0	2610	15	2610.0	15.0	10.2	Single Age
IOS1614_21	251	2.99	6.80800	0.05900	0.38950	0.00320	0.58795	2085.8	7.7	2120.0	15.0	2052	13	2052.0	13.0	3.3	Single Age
IOS1614_22	578	3.10	0.95300	0.01100	0.11160	0.00082	0.32267	679.3	5.9	682.0	4.7	671	25	682.0	4.7	0.4	Single Age
IOS1614_23	93.4	1.06	1.36900	0.03600	0.14610	0.00160	0.30190	872.0	15.0	879.0	9.0	846	54	879.0	9.0	0.8	Single Age
IOS1614_24	440	10.30	0.88600	0.01100	0.10696	0.00099	0.29367	643.9	6.1	655.0	5.8	611	30	655.0	5.8	1.7	Single Age
IOS1614_25	212	1.50	1.70300	0.02700	0.16680	0.00200	0.59760	1008.0	10.0	994.0	11.0	1043	26	994.0	11.0	1.4	Single Age
IOS1614_26	820	71.00	0.48000	0.03200	0.06180	0.00300	0.80774	397.0	22.0	386.0	18.0	460	81	386.0	18.0	2.8	Rim
IOS1614_26	319	4.26	3.71000	0.11000	0.25200	0.00560	0.93922	1569.0	24.0	1446.0	29.0	1738	22	1738.0	22.0	16.8	Core
IOS1614_27	624	7.69	3.45000	0.16000	0.21840	0.00830	0.98032	1505.0	36.0	1270.0	44.0	1866	20	DISC	DISC	31.9	Single Age

Table A3, con't.

IOS1614_28	174.6	1.60	0.79000	0.03800	0.09810	0.00230	0.40210	589.0	22.0	603.0	13.0	523	94	603.0	13.0	2.4	Rim
IOS1614_28	157	0.95	0.88000	0.02200	0.10450	0.00110	0.21365	639.0	12.0	640.5	6.1	618	53	640.5	6.1	0.2	Core
IOS1614_29	83.6	2.22	1.51400	0.06000	0.15190	0.00240	0.30750	932.0	24.0	911.0	14.0	967	78	911.0	14.0	2.3	Single Age
IOS1614_30	153.4	1.38	1.95600	0.06400	0.15940	0.00210	0.22816	1095.0	22.0	953.0	12.0	1390	60	DISC	DISC	13.0	Single Age
IOS1614_31	170	1.59	1.51100	0.06000	0.15180	0.00470	0.89079	924.0	27.0	910.0	27.0	969	38	910.0	27.0	1.5	Single Age
IOS1614_32	218.9	0.81	1.37800	0.05600	0.13960	0.00340	0.53371	875.0	24.0	842.0	19.0	943	72	842.0	19.0	3.8	Single Age
IOS1614_33	492.9	8.84	1.48400	0.01900	0.15120	0.00140	0.61697	923.1	7.6	907.7	7.9	961	20	907.7	7.9	1.7	Single Age
IOS1614_34	132.4	0.65	6.76000	0.06700	0.38030	0.00260	0.35847	2079.3	8.8	2077.0	12.0	2085	17	2085.0	17.0	0.4	Single Age
IOS1614_35	633	2.46	0.62900	0.01800	0.07670	0.00110	0.57232	494.0	11.0	476.4	6.5	576	51	476.4	6.5	3.6	Single Age
IOS1614_36	246	2.19	1.06300	0.03900	0.12760	0.00260	0.11475	734.0	19.0	774.0	15.0	615	89	774.0	15.0	5.4	Single Age
IOS1614_37	228.9	14.45	0.81100	0.02600	0.07690	0.00140	0.13954	602.0	15.0	477.7	8.2	1105	69	DISC	DISC	20.6	Rim
IOS1614_37	22.47	1.94	4.87000	0.27000	0.31960	0.00940	0.62505	1784.0	43.0	1785.0	46.0	1823	89	1823.0	89.0	2.1	Core
IOS1614_38	503	72.00	0.55500	0.06900	0.06250	0.00540	0.85969	446.0	44.0	391.0	33.0	750	140	DISC	DISC	12.3	Rim
IOS1614_38	174	69.40	0.90500	0.02300	0.10600	0.00130	0.02277	653.0	12.0	649.2	7.3	674	62	649.2	7.3	0.6	Core
IOS1614_39	134.6	0.89	5.49000	0.06300	0.34560	0.00290	0.46690	1897.6	9.9	1913.0	14.0	1893	20	1893.0	20.0	1.1	Single Age
IOS1614_40	443	20.40	0.41100	0.02300	0.05440	0.00150	0.13378	349.0	16.0	341.6	8.9	400	130	341.6	8.9	2.1	Rim
IOS1614_40	47.6	2.26	0.72200	0.07400	0.06770	0.00160	0.67563	534.0	37.0	422.1	9.4	1020	170	DISC	DISC	21.0	Core
IOS1614_41	375	2.75	0.77400	0.01500	0.09608	0.00089	0.22565	583.2	9.1	591.4	5.2	555	44	591.4	5.2	1.4	Single Age
IOS1614_42	1130	39.70	0.48100	0.02200	0.05930	0.00170	0.43243	398.0	15.0	371.0	10.0	551	91	371.0	10.0	6.8	Rim
IOS1614_42	158.4	1.09	0.91100	0.01900	0.10640	0.00110	0.12181	656.0	10.0	651.7	6.3	669	49	651.7	6.3	0.7	Core
IOS1614_43	119.2	4.90	3.41000	0.11000	0.23070	0.00330	0.17679	1501.0	24.0	1338.0	17.0	1731	57	1731.0	57.0	22.7	Single Age
IOS1614_44	201.4	4.69	1.66500	0.04200	0.15030	0.00190	0.69129	992.0	16.0	902.0	11.0	1183	38	902.0	11.0	9.1	Single Age
IOS1614_45	136.5	1.35	1.76900	0.07800	0.15530	0.00270	0.65484	1029.0	28.0	930.0	15.0	1230	70	930.0	15.0	9.6	Single Age
IOS1614_46	508	2.01	1.51100	0.02200	0.14290	0.00130	0.42111	935.7	8.4	860.8	7.2	1105	26	860.8	7.2	8.0	Single Age
IOS1614_47	52.9	2.70	13.22000	0.19000	0.51470	0.00530	0.42161	2693.0	13.0	2676.0	23.0	2699	22	2699.0	22.0	0.9	Single Age
IOS1614_48	22.65	0.73	1.02700	0.05400	0.11900	0.00230	0.05647	706.0	26.0	724.0	13.0	610	110	724.0	13.0	2.5	Single Age

Table A3, con't.

IOS1614_49	214	2.58	0.94800	0.01800	0.11059	0.00099	0.30904	675.8	9.2	676.1	5.7	661	37	676.1	5.7	0.0	Single Age
IOS1614_50	558.1	5.88	0.84300	0.01100	0.09997	0.00087	0.31875	619.9	6.2	614.2	5.1	624	27	614.2	5.1	0.9	Single Age
IOS1614_51	47.5	0.73	5.11000	0.13000	0.33590	0.00590	0.46482	1831.0	22.0	1865.0	28.0	1801	43	1801.0	43.0	3.6	Single Age
IOS1614_52	222.5	1.64	6.62000	0.12000	0.35460	0.00500	0.74264	2060.0	16.0	1956.0	24.0	2166	21	2166.0	21.0	9.7	Single Age
IOS1614_53	150.7	1.43	5.11500	0.08600	0.32340	0.00400	0.72544	1836.0	14.0	1806.0	20.0	1872	19	1872.0	19.0	3.5	Single Age
IOS1614_54	426	4.48	0.84100	0.02400	0.10250	0.00270	0.47722	619.0	14.0	629.0	16.0	581	60	629.0	16.0	1.6	Rim
IOS1614_54	111.1	1.64	1.12100	0.03600	0.12460	0.00180	0.14368	761.0	18.0	757.0	10.0	756	74	757.0	10.0	0.5	Core
IOS1614_55	758	8.15	0.92200	0.01400	0.10582	0.00066	0.33221	662.6	7.1	648.4	3.9	704	31	648.4	3.9	2.1	Single Age
IOS1614_56	55.4	0.94	1.65500	0.04400	0.16600	0.00200	0.12967	987.0	17.0	990.0	11.0	960	55	990.0	11.0	0.3	Single Age
IOS1614_57	389	2.17	5.59000	0.30000	0.25400	0.01100	0.97538	1882.0	45.0	1451.0	58.0	2407	21	DISC	DISC	39.7	Single Age
IOS1614_58	453	2.70	1.65500	0.02100	0.16540	0.00190	0.42914	990.7	8.1	987.0	11.0	977	27	987.0	11.0	0.4	Single Age
IOS1614_59	704	2.11	1.06400	0.02500	0.11620	0.00150	0.57074	735.0	12.0	708.4	8.7	781	41	708.4	8.7	3.6	Single Age
IOS1614_60	912	31.80	0.95600	0.01900	0.10170	0.00130	0.36809	681.0	10.0	624.6	7.6	839	40	624.6	7.6	8.3	Rim
IOS1614_60	958	1.02	1.44700	0.01600	0.14808	0.00095	0.22554	908.3	6.5	890.1	5.3	918	23	890.1	5.3	2.0	Core
IOS1614_61	63.1	1.14	5.86600	0.08500	0.34130	0.00360	0.32287	1954.0	13.0	1892.0	17.0	1994	26	1994.0	26.0	5.1	Single Age
IOS1614_62	774	2.84	0.85200	0.02100	0.09400	0.00170	0.86712	624.0	11.0	579.0	10.0	745	26	579.0	10.0	7.2	Single Age
IOS1614_63	148.9	1.22	1.60900	0.02700	0.16050	0.00150	0.26111	972.0	11.0	959.2	8.6	965	36	959.2	8.6	1.3	Single Age
IOS1614_64	1264	18.80	0.39600	0.01400	0.04910	0.00160	0.35181	339.0	10.0	309.0	10.0	514	87	309.0	10.0	8.8	Rim
IOS1614_64	51	0.65	0.92100	0.03500	0.10810	0.00170	0.06175	657.0	19.0	661.3	9.6	594	85	661.3	9.6	0.7	Core
IOS1614_65	337.2	19.60	0.92900	0.01500	0.10826	0.00085	0.29325	666.4	7.6	662.6	4.9	651	32	662.6	4.9	0.6	Single Age
IOS1614_66	525	53.30	5.46000	0.05500	0.31640	0.00220	0.69818	1892.9	8.7	1772.0	11.0	2016	13	2016.0	13.0	12.1	Single Age
IOS1614_67	432.5	3.32	1.72600	0.02600	0.16690	0.00170	0.19191	1017.6	9.7	995.0	9.4	1056	31	995.0	9.4	2.2	Single Age
IOS1614_68	131.4	0.67	4.96700	0.07300	0.31830	0.00360	0.24504	1815.0	13.0	1781.0	18.0	1843	30	1843.0	30.0	3.4	Single Age
IOS1614_69	330	2.95	0.88000	0.01400	0.10545	0.00089	0.28806	642.0	7.5	646.2	5.2	611	36	646.2	5.2	0.7	Single Age
IOS1614_70	254	12.41	0.96700	0.05100	0.09070	0.00120	0.41944	680.0	25.0	559.4	7.1	1060	92	DISC	DISC	17.7	Single Age
IOS1614_72	53.7	0.90	0.88400	0.03200	0.10660	0.00150	0.09163	638.0	17.0	652.9	8.5	557	78	652.9	8.5	2.3	Single Age

Table A3, con't.

IOS1614_73	108.5	1.19	1.00100	0.02500	0.11500	0.00110	0.10619	701.0	12.0	701.8	6.4	683	54	701.8	6.4	0.1	Single Age
IOS1614_74	292.1	1.45	4.67000	0.08100	0.29360	0.00380	0.87579	1759.0	15.0	1659.0	19.0	1878	16	1878.0	16.0	11.7	Single Age
IOS1614_75	182	0.52	0.91700	0.02000	0.10460	0.00110	0.20489	659.0	10.0	641.4	6.5	706	47	641.4	6.5	2.7	Single Age
IOS1614_76	393	5.50	1.35000	0.03500	0.14400	0.00320	0.86900	865.0	15.0	867.0	18.0	862	27	867.0	18.0	0.2	Single Age
IOS1614_77	73.2	1.11	1.69900	0.03700	0.16920	0.00210	0.26975	1005.0	14.0	1007.0	12.0	987	44	1007.0	12.0	0.2	Single Age
IOS1614_78	447	2.04	1.01800	0.01400	0.11649	0.00099	0.30565	712.0	6.8	710.2	5.7	702	27	710.2	5.7	0.3	Single Age
IOS1614_79	290	-290.00	0.93000	0.04800	0.11360	0.00500	0.67881	662.0	24.0	692.0	29.0	561	79	692.0	29.0	4.5	Rim
IOS1614_79	345	2.33	13.3900 0	0.22000	0.53520	0.00850	0.84683	2705.0	16.0	2762.0	36.0	2635	16	2635.0	16.0	4.8	Core
IOS1614_80	1068	42.70	0.82000	0.01300	0.09340	0.00140	0.66767	606.9	7.3	576.3	8.4	694	27	576.3	8.4	5.0	Single Age
IOS1614_81	174.7	2.87	2.60200	0.04700	0.19030	0.00200	0.57563	1298.0	13.0	1123.0	11.0	1575	27	DISC	DISC	13.5	Single Age
IOS1614_82	493	1.52	10.8000 0	0.17000	0.44620	0.00630	0.93086	2504.0	14.0	2376.0	28.0	2606	13	2606.0	13.0	8.8	Single Age
IOS1614_83	237	0.79	11.9150 0	0.09400	0.47950	0.00330	0.76566	2596.9	7.5	2525.0	15.0	2635	11	2635.0	11.0	4.2	Single Age
IOS1614_84	50.26	1.03	6.13800	0.09600	0.35730	0.00310	0.33776	1993.0	14.0	1969.0	15.0	1996	27	1996.0	27.0	1.4	Single Age
IOS1614_85	399	2.30	1.00700	0.01400	0.11443	0.00098	0.41609	706.7	6.9	698.4	5.7	709	27	698.4	5.7	1.2	Single Age
IOS1614_86	557	1.01	1.09900	0.02100	0.12400	0.00130	0.28702	752.4	9.9	753.3	7.2	732	39	753.3	7.2	0.1	Single Age
IOS1614_87	439	5.34	0.92800	0.01200	0.10880	0.00073	0.22107	665.8	6.5	665.7	4.2	658	30	665.7	4.2	0.0	Single Age
IOS1614_88	245	1.29	0.91500	0.01900	0.10790	0.00130	0.41049	658.0	10.0	660.7	7.6	640	41	660.7	7.6	0.4	Single Age
IOS1614_89	525	4.00	0.90200	0.01300	0.10470	0.00110	0.32252	651.9	7.0	642.9	6.4	683	33	642.9	6.4	1.4	Single Age
IOS1614_90	414	1.82	1.66500	0.01800	0.16500	0.00120	0.37648	995.6	7.3	984.5	6.6	1027	23	984.5	6.6	1.1	Single Age
IOS1614_91	138.5	2.15	0.67400	0.06000	0.07300	0.00130	0.65405	514.0	31.0	453.9	7.9	730	130	DISC	DISC	11.7	Rim
IOS1614_91	59.6	1.20	0.81100	0.04300	0.09690	0.00200	0.28522	599.0	24.0	596.0	12.0	590	110	596.0	12.0	0.5	Core
IOS1614_92	910	59.00	0.89900	0.02200	0.10210	0.00150	0.61720	650.0	12.0	626.8	8.9	736	41	626.8	8.9	3.6	Rim
IOS1614_92	209	2.25	1.42300	0.02800	0.15050	0.00150	0.42209	897.0	12.0	903.7	8.6	888	40	903.7	8.6	0.7	Core
IOS1614_93	273.1	1.00	1.76000	0.02700	0.16960	0.00140	0.37342	1031.0	10.0	1009.7	7.9	1074	30	1009.7	7.9	2.1	Single Age
IOS1614_94	163.8	1.32	1.83400	0.03600	0.18190	0.00190	0.19067	1056.0	13.0	1077.0	10.0	1004	42	1077.0	10.0	2.0	Single Age
IOS1614_95	687	2.95	10.6700 0	0.23000	0.42880	0.00830	0.93154	2492.0	21.0	2297.0	38.0	2654	14	2654.0	14.0	13.5	Single Age

Table A3, con't.

IOS1614_96	153.4	2.60	0.93900	0.02400	0.10960	0.00110	0.21113	670.0	13.0	670.4	6.2	644	54	670.4	6.2	0.1	Single Age
IOS1614_97	322	4.70	1.15200	0.02300	0.12700	0.00110	0.30891	776.0	11.0	770.8	6.3	783	41	770.8	6.3	0.7	Single Age
IOS1614_98	5100	12.97	0.49450	0.00510	0.06253	0.00052	0.57962	407.8	3.4	391.0	3.1	498	19	391.0	3.1	4.1	Rim
IOS1614_98	1419	12.91	0.76000	0.01400	0.09260	0.00150	0.67880	573.5	8.1	570.9	8.9	574	30	570.9	8.9	0.5	Core
IOS1614_99	438	10.99	0.91100	0.01100	0.10849	0.00085	0.27052	656.8	6.0	663.9	5.0	627	29	663.9	5.0	1.1	Single Age
IOS1614_100	3030	38.40	0.55900	0.02900	0.06770	0.00330	0.84203	450.0	19.0	422.0	20.0	592	61	422.0	20.0	6.2	Rim
IOS1614_100	1183	33.10	0.96300	0.02900	0.10520	0.00130	0.72893	682.0	14.0	644.7	7.6	789	44	644.7	7.6	5.5	Core
IOS1614_101	201.9	1.84	4.75000	0.15000	0.27770	0.00460	0.76311	1771.0	27.0	1579.0	23.0	1992	40	1992.0	40.0	20.7	Single Age
IOS1614_102	620	3.12	1.08200	0.01700	0.11930	0.00110	0.43302	743.8	8.2	726.7	6.4	769	29	726.7	6.4	2.3	Single Age
IOS1614_103	379	4.17	0.99300	0.01200	0.11382	0.00085	0.27252	699.8	6.3	694.8	4.9	688	27	694.8	4.9	0.7	Single Age
IOS1614_104	121.5	1.80	1.61200	0.06400	0.15350	0.00390	0.61920	965.0	24.0	919.0	22.0	1052	56	919.0	22.0	4.8	Single Age
IOS1614_105	57.8	0.25	9.41000	0.27000	0.42500	0.01200	0.90005	2370.0	28.0	2279.0	53.0	2435	22	2435.0	22.0	6.4	Single Age
IOS1614_106	81.7	1.56	0.92000	0.02600	0.10530	0.00120	0.01991	659.0	14.0	645.1	7.0	663	67	645.1	7.0	2.1	Single Age
IOS1614_107	197	1.96	0.91500	0.01900	0.10670	0.00110	0.26252	659.6	9.9	653.7	6.3	637	44	653.7	6.3	0.9	Single Age
IOS1614_108	592	3.13	1.27000	0.03600	0.13010	0.00240	0.66705	831.0	16.0	788.0	13.0	925	43	788.0	13.0	5.2	Single Age
IOS1614_109	189	2.23	1.82200	0.03500	0.17340	0.00190	0.42899	1051.0	13.0	1032.3	9.9	1072	36	1032.3	9.9	1.8	Single Age
IOS1614_110	1060	1.26	1.10400	0.01500	0.11870	0.00120	0.39677	754.4	7.4	722.8	6.9	832	22	722.8	6.9	4.2	Single Age
IOS1614_111	230.6	3.32	0.85900	0.01600	0.10208	0.00083	0.02426	628.0	8.7	626.5	4.9	619	44	626.5	4.9	0.2	Single Age
IOS1614_112	193.5	1.46	2.26000	0.12000	0.17950	0.00200	0.70277	1187.0	34.0	1066.0	11.0	1415	79	DISC	DISC	10.2	Single Age
IOS1614_113	1154	4.02	1.35500	0.01500	0.14310	0.00110	0.04080	869.0	6.6	862.0	6.3	887	20	862.0	6.3	0.8	Single Age
IOS1614_114	1840	119.00	0.45700	0.05700	0.05590	0.00170	0.79369	377.0	34.0	350.0	10.0	510	170	350.0	10.0	7.2	Rim
IOS1614_114	198	1.80	5.85400	0.09900	0.35190	0.00370	0.79545	1952.0	15.0	1943.0	17.0	1960	25	1960.0	25.0	0.9	Core
IOS1614_115	110.4	2.55	0.93100	0.02500	0.10910	0.00120	0.14102	665.0	13.0	667.3	6.7	651	59	667.3	6.7	0.3	Single Age
IOS1614_116	412	3.10	1.41000	0.02500	0.14580	0.00110	0.48516	891.0	10.0	877.0	6.5	942	31	877.0	6.5	1.6	Single Age
IOS1614_117	365	3.50	0.20400	0.02500	0.02540	0.00290	0.67398	188.0	22.0	162.0	18.0	540	230	DISC	DISC	13.8	Rim
IOS1614_117	107.1	1.42	13.77000	0.14000	0.53400	0.00410	0.48482	2733.1	9.6	2758.0	17.0	2728	15	2728.0	15.0	1.1	Core

Table A3, con't.

IOS1614_118	79.7	1.36	6.14000	0.11000	0.35280	0.00530	0.75118	1994.0	15.0	1947.0	25.0	2055	28	2055.0	28.0	5.3	Single Age
IOS1614_119	468	2.43	1.69700	0.06400	0.12670	0.00350	0.86621	1005.0	24.0	769.0	20.0	1563	32	DISC	DISC	23.5	Rim
IOS1614_119	121.6	0.67	5.36900	0.09400	0.33520	0.00430	0.46590	1878.0	15.0	1863.0	21.0	1905	29	1905.0	29.0	2.2	Core
IOS1614_120	100.5	1.83	5.54000	0.07800	0.34590	0.00270	0.18276	1905.0	12.0	1914.0	13.0	1903	26	1903.0	26.0	0.6	Single Age
IOS1614_121	799	8.71	1.63400	0.03200	0.16520	0.00360	0.67619	985.0	12.0	985.0	20.0	987	34	985.0	20.0	0.0	Single Age
IOS1614_122	504	3.42	1.85500	0.02500	0.17970	0.00210	0.67187	1065.5	8.6	1065.0	11.0	1062	21	1065.0	11.0	0.0	Single Age
IOS1614_123	33.77	0.61	1.11400	0.04900	0.12490	0.00210	0.21253	752.0	24.0	758.0	12.0	697	93	758.0	12.0	0.8	Single Age
IOS1614_124	191	0.77	4.18600	0.08500	0.25770	0.00280	0.28680	1667.0	17.0	1477.0	14.0	1908	34	1908.0	34.0	22.6	Single Age
IOS1614_125	525	26.70	0.88900	0.02000	0.10390	0.00140	0.59145	645.0	11.0	636.8	8.3	664	38	636.8	8.3	1.3	Rim
IOS1614_125	290	1.63	1.38000	0.03400	0.14160	0.00200	0.45237	879.0	14.0	853.0	11.0	932	47	853.0	11.0	3.0	Core
IOS1614_126	67.4	1.00	1.51300	0.03800	0.15040	0.00160	0.15330	932.0	15.0	902.9	8.7	987	51	902.9	8.7	3.1	Single Age
IOS1614_127	564	7.38	7.07900	0.06800	0.38570	0.00300	0.66695	2120.7	8.5	2103.0	14.0	2131	13	2131.0	13.0	1.3	Single Age
IOS1614_128	563	4.63	8.92000	0.10000	0.40870	0.00440	0.69670	2329.0	11.0	2208.0	20.0	2436	16	2436.0	16.0	9.4	Single Age
IOS1614_129	601	2.23	6.76000	0.14000	0.37470	0.00640	0.95126	2075.0	19.0	2049.0	30.0	2100	12	2100.0	12.0	2.4	Single Age
IOS1614_130	363	1.57	4.10500	0.04400	0.27000	0.00200	0.53194	1654.3	8.7	1541.0	10.0	1792	17	1792.0	17.0	14.0	Single Age
IOS1614_131	126.1	2.22	5.65000	0.22000	0.23650	0.00760	0.93668	1907.0	34.0	1365.0	39.0	2564	25	DISC	DISC	46.8	Single Age
IOS1614_132	151	1.50	12.5500	0.10000	0.49810	0.00380	0.48624	2645.6	7.6	2605.0	16.0	2663	13	2663.0	13.0	2.2	Single Age
IOS1614_133	60.5	0.37	4.50000	0.10000	0.28800	0.00440	0.67899	1725.0	19.0	1630.0	22.0	1823	30	1823.0	30.0	10.6	Single Age
IOS1614_134	134.3	0.66	5.26700	0.05800	0.33170	0.00310	0.27998	1862.2	9.5	1846.0	15.0	1858	23	1858.0	23.0	0.6	Single Age
IOS1614_135	101.7	1.06	0.91700	0.02300	0.10870	0.00110	0.09248	658.0	12.0	664.9	6.5	602	61	664.9	6.5	1.0	Single Age
IOS1614_136	190.9	1.13	4.28400	0.06900	0.27670	0.00370	0.76736	1688.0	13.0	1574.0	19.0	1800	19	1800.0	19.0	12.6	Single Age
IOS1614_137	297	1.97	1.65700	0.03300	0.16560	0.00190	0.15516	992.0	12.0	988.0	10.0	988	43	988.0	10.0	0.4	Single Age
IOS1614_138	292	-4400.00	0.84100	0.01300	0.09982	0.00074	0.23227	618.8	7.2	613.3	4.3	632	34	613.3	4.3	0.9	Single Age
IOS1614_139	145.6	1.56	5.20400	0.07300	0.33460	0.00340	0.64588	1855.0	11.0	1860.0	16.0	1850	20	1850.0	20.0	0.5	Single Age
IOS1614_140	47.4	0.86	1.63400	0.06700	0.15890	0.00460	0.52216	975.0	26.0	949.0	26.0	1032	77	949.0	26.0	2.7	Single Age

Table A3, con't.

SAMPLE NAME: IOS1616																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1616_1	278.2	1.67	0.54100	0.01200	0.07040	0.00110	0.38476	438.7	7.6	438.8	6.7	442	49	438.8	6.7	0.0	Single Age
IOS1616_2	215	2.02	0.52000	0.01000	0.06637	0.00090	0.45089	424.4	6.6	414.2	5.4	475	40	414.2	5.4	2.4	Single Age
IOS1616_3	218.6	2.54	0.54600	0.00900	0.06941	0.00067	0.39631	441.8	5.9	432.5	4.1	482	33	432.5	4.1	2.1	Single Age
IOS1616_4	664	35.00	0.38900	0.01100	0.05254	0.00093	0.49165	333.0	7.9	330.1	5.7	349	55	330.1	5.7	0.9	Rim
IOS1616_4	58.7	0.78	0.54400	0.02100	0.07100	0.00110	0.19696	439.0	14.0	442.2	6.4	400	81	442.2	6.4	0.7	Core
IOS1616_5	306	0.71	0.81200	0.01300	0.09680	0.00140	0.50935	602.7	7.1	595.3	8.0	629	31	595.3	8.0	1.2	Single Age
IOS1616_6	932	13.46	0.44200	0.01300	0.05770	0.00140	0.34222	371.1	9.1	361.5	8.4	429	57	361.5	8.4	2.6	Rim
IOS1616_6	917	4.01	0.56380	0.00870	0.07299	0.00099	0.64952	453.6	5.6	454.1	6.0	446	27	454.1	6.0	0.1	Core
IOS1616_7	232	1.46	0.55100	0.01100	0.07201	0.00077	0.30560	445.2	7.0	448.2	4.6	418	42	448.2	4.6	0.7	Single Age
IOS1616_8	940	4.45	0.55460	0.00570	0.07194	0.00060	0.47316	447.8	3.7	447.8	3.6	448	21	447.8	3.6	0.0	Single Age
IOS1616_9	243.2	1.54	0.54620	0.00760	0.07067	0.00056	0.20870	442.0	5.0	440.2	3.4	440	33	440.2	3.4	0.4	Single Age
IOS1616_10	266	2.21	0.55210	0.00850	0.07084	0.00059	0.13773	445.8	5.6	441.2	3.5	458	37	441.2	3.5	1.0	Single Age
IOS1616_11	194	4.04	0.56800	0.01500	0.07190	0.00120	0.58355	455.0	10.0	447.7	7.3	476	51	447.7	7.3	1.6	Rim
IOS1616_11	172.9	1.88	3.48000	0.26000	0.19700	0.01100	0.95423	1498.0	65.0	1154.0	60.0	2044	55	DISC	DISC	43.5	Core
IOS1616_12	521	26.20	0.36730	0.00500	0.04864	0.00044	0.33595	317.4	3.7	306.1	2.7	394	31	306.1	2.7	3.6	Single Age
IOS1616_13	721	5.07	0.53900	0.01700	0.06900	0.00170	0.79574	437.0	11.0	430.0	10.0	465	46	430.0	10.0	1.6	Rim
IOS1616_13	195.7	0.87	0.81900	0.01600	0.09810	0.00180	0.50450	607.3	9.2	603.0	11.0	618	40	603.0	11.0	0.7	Core
IOS1616_14	897	6.40	0.45300	0.01200	0.05940	0.00120	0.71817	378.6	8.0	372.1	7.2	407	40	372.1	7.2	1.7	Single Age
IOS1616_15	1501	7.67	0.53830	0.00490	0.06919	0.00054	0.48715	437.2	3.2	431.3	3.2	461	19	431.3	3.2	1.3	Single Age
IOS1616_16	935	4.98	0.48000	0.01000	0.05930	0.00130	0.41305	398.2	7.1	371.1	7.6	557	51	371.1	7.6	6.8	Rim
IOS1616_16	1996	12.03	0.57640	0.00520	0.07282	0.00065	0.65973	462.0	3.4	453.1	3.9	502	16	453.1	3.9	1.9	Core
IOS1616_17	367.5	3.17	0.41520	0.00760	0.05350	0.00066	0.35127	352.1	5.4	335.9	4.1	439	37	335.9	4.1	4.6	Single Age

Table A3, con't.

IOS1616_18	137.1	0.73	1.08000	0.02100	0.12080	0.00160	0.39240	742.0	10.0	734.8	9.2	751	41	734.8	9.2	1.0	Single Age
IOS1616_19	194.6	0.96	0.54200	0.01400	0.06820	0.00110	0.31878	439.1	9.0	425.2	6.8	500	56	425.2	6.8	3.2	Single Age
IOS1616_20	358	1.99	0.57700	0.01200	0.07210	0.00110	0.49046	462.5	7.8	448.5	6.8	520	43	448.5	6.8	3.0	Single Age
IOS1616_21	809	17.90	0.41000	0.01500	0.05630	0.00180	0.37717	349.0	11.0	353.0	11.0	321	70	353.0	11.0	1.1	Rim
IOS1616_21	159	2.47	0.57900	0.01500	0.07549	0.00095	0.36883	462.7	9.6	469.1	5.7	424	53	469.1	5.7	1.4	Core
IOS1616_22	2500	14.10	0.43800	0.01400	0.05840	0.00240	0.69831	368.8	9.6	366.0	15.0	397	65	366.0	15.0	0.8	Rim
IOS1616_22	131	2.05	0.59600	0.01400	0.07740	0.00120	0.50583	473.5	9.2	480.3	7.3	434	49	480.3	7.3	1.4	Core
IOS1616_23	1950	11.70	0.42800	0.02500	0.05810	0.00370	0.90928	362.0	18.0	364.0	22.0	353	60	364.0	22.0	0.6	Rim
IOS1616_23	199	0.81	0.57600	0.01100	0.07516	0.00077	0.33866	461.2	7.0	467.1	4.6	422	40	467.1	4.6	1.3	Core
IOS1616_24	256	2.34	0.62400	0.02300	0.07810	0.00160	0.70063	491.0	14.0	484.7	9.3	513	59	484.7	9.3	1.3	Single Age
IOS1616_25	1150	351.00	0.40100	0.02300	0.05410	0.00330	0.64870	341.0	17.0	339.0	20.0	370	100	339.0	20.0	0.6	Rim
IOS1616_25	456	8.25	0.57800	0.01200	0.07470	0.00130	0.60177	462.1	7.4	464.4	7.9	446	37	464.4	7.9	0.5	Core
IOS1616_26	967	40.40	0.39100	0.01600	0.05280	0.00200	0.68934	334.0	11.0	331.0	12.0	365	69	331.0	12.0	0.9	Rim
IOS1616_26	145.1	3.65	7.61000	0.43000	0.30400	0.01400	0.94479	2163.0	54.0	1706.0	72.0	2649	34	DISC	DISC	35.6	Core
IOS1616_27	467	5.73	0.54200	0.01200	0.07140	0.00140	0.56761	438.9	7.8	444.6	8.3	409	44	444.6	8.3	1.3	Rim
IOS1616_27	179.9	2.59	0.89900	0.02100	0.10620	0.00170	0.52621	650.0	11.0	650.7	9.7	657	40	650.7	9.7	0.1	Core
IOS1616_28	1360	62.00	0.41700	0.01100	0.05580	0.00120	0.60841	354.3	7.8	350.2	7.5	375	50	350.2	7.5	1.2	Rim
IOS1616_28	312.1	4.86	0.70700	0.02200	0.08880	0.00290	0.50726	542.0	13.0	548.0	17.0	518	73	548.0	17.0	1.1	Core
IOS1616_29	300	3.28	0.57240	0.00960	0.07385	0.00058	0.26596	458.9	6.2	459.3	3.5	460	37	459.3	3.5	0.1	Single Age
IOS1616_30	865	4.64	0.56610	0.00790	0.07264	0.00093	0.33863	455.3	5.1	452.0	5.6	465	36	452.0	5.6	0.7	Single Age
IOS1616_31	188	5.11	0.55900	0.01100	0.07290	0.00100	0.30820	450.2	7.4	453.4	6.1	429	46	453.4	6.1	0.7	Single Age
IOS1616_32	414	3.00	0.54300	0.02200	0.06880	0.00310	0.50250	440.0	14.0	428.0	19.0	504	96	428.0	19.0	2.7	Rim
IOS1616_32	365	2.36	7.38000	0.14000	0.37600	0.00680	0.63208	2154.0	16.0	2055.0	32.0	2253	26	2253.0	26.0	8.8	Core
IOS1616_33	281	2.14	0.55580	0.00820	0.07145	0.00064	0.39506	448.2	5.4	444.8	3.9	461	31	444.8	3.9	0.8	Single Age
IOS1616_34	340	2.09	0.56160	0.00850	0.07313	0.00066	0.35659	452.7	5.4	454.9	4.0	439	32	454.9	4.0	0.5	Single Age
IOS1616_35	664	3.71	0.55460	0.00830	0.07107	0.00085	0.58349	447.6	5.4	442.5	5.1	467	26	442.5	5.1	1.1	Single Age
IOS1616_36	216	2.80	0.57000	0.03000	0.07220	0.00280	0.59517	457.0	19.0	449.0	17.0	486	96	449.0	17.0	1.8	Rim
IOS1616_36	130.9	0.68	0.94400	0.02200	0.11020	0.00200	0.56626	674.0	11.0	674.0	12.0	683	47	674.0	12.0	0.0	Core

Table A3, con’t.

IOS1616_37	310	3.63	4.88800	0.09800	0.30830	0.00540	0.69053	1796.0	17.0	1731.0	27.0	1874	30	1874.0	30.0	7.6	Single Age
IOS1616_38	227	1.58	0.53800	0.01200	0.07137	0.00081	0.21313	436.2	8.0	444.4	4.9	387	51	444.4	4.9	1.9	Single Age
IOS1616_39	511	19.70	0.42400	0.01800	0.05680	0.00170	0.56874	359.0	13.0	356.0	11.0	368	84	356.0	11.0	0.8	Rim
IOS1616_39	687	5.30	0.53060	0.00780	0.06698	0.00072	0.45637	431.8	5.2	417.9	4.3	503	32	417.9	4.3	3.2	Core
IOS1616_40	153	2.30	0.56100	0.01200	0.07341	0.00085	0.20811	450.9	7.5	456.6	5.1	411	47	456.6	5.1	1.3	Single Age
IOS1616_41	2180	82.00	0.35190	0.00560	0.04966	0.00083	0.73912	306.4	4.1	312.4	5.1	257	27	312.4	5.1	2.0	Single Age
IOS1616_42	120.7	0.67	0.56600	0.01200	0.07194	0.00070	0.17095	454.0	8.0	447.8	4.2	460	51	447.8	4.2	1.4	Single Age
IOS1616_43	238	3.47	0.55500	0.01000	0.07259	0.00089	0.48033	448.2	6.3	451.6	5.3	419	33	451.6	5.3	0.8	Single Age
IOS1616_44	491	2.87	0.48900	0.01100	0.06320	0.00120	0.66630	403.3	7.6	395.3	7.0	461	37	395.3	7.0	2.0	Single Age
IOS1616_45	158	1.59	0.55200	0.01000	0.07214	0.00083	0.17077	445.5	6.8	449.0	5.0	420	43	449.0	5.0	0.8	Single Age
IOS1616_46	178.9	0.79	0.55700	0.01100	0.07309	0.00068	0.08695	448.9	7.2	454.7	4.1	410	50	454.7	4.1	1.3	Single Age
IOS1616_47	386	2.88	0.55610	0.00910	0.07220	0.00079	0.45224	449.2	6.1	449.3	4.8	440	33	449.3	4.8	0.0	Single Age
IOS1616_48	363	2.40	0.56700	0.01100	0.07189	0.00084	0.45126	455.2	7.1	447.4	5.0	487	39	447.4	5.0	1.7	Single Age
IOS1616_49	380	9.54	0.43320	0.00720	0.05807	0.00061	0.26425	365.2	5.1	363.9	3.7	363	41	363.9	3.7	0.4	Single Age
IOS1616_50	1840	7.40	0.39800	0.01100	0.05070	0.00120	0.66938	340.0	8.3	319.0	7.6	485	50	319.0	7.6	6.2	Rim
IOS1616_50	230.3	1.88	0.52500	0.01200	0.06480	0.00094	0.42864	427.8	7.9	404.7	5.7	547	46	404.7	5.7	5.4	Core
IOS1616_51	594	4.13	0.55760	0.00840	0.07254	0.00075	0.42616	451.6	5.6	451.4	4.5	442	33	451.4	4.5	0.0	Single Age
IOS1616_52	361	2.11	0.49600	0.01600	0.06090	0.00200	0.67634	407.0	11.0	381.0	12.0	555	57	381.0	12.0	6.4	Single Age
IOS1616_53	1390	10.10	0.40700	0.02000	0.05420	0.00250	0.52713	345.0	14.0	340.0	15.0	389	93	340.0	15.0	1.4	Rim
IOS1616_53	300.3	2.99	0.53500	0.02000	0.06700	0.00220	0.56374	434.0	13.0	418.0	13.0	512	73	418.0	13.0	3.7	Core
IOS1616_54	761	5.66	0.55330	0.00620	0.07265	0.00077	0.52628	446.9	4.1	452.0	4.7	420	22	452.0	4.7	1.1	Single Age
IOS1616_55	330	4.46	0.55000	0.01000	0.07144	0.00082	0.24015	444.3	6.9	444.8	4.9	430	44	444.8	4.9	0.1	Single Age
IOS1616_56	2140	43.80	0.39500	0.01500	0.05410	0.00140	0.80601	338.0	11.0	339.9	8.7	315	49	339.9	8.7	0.6	Rim
IOS1616_56	495	4.80	0.54830	0.00820	0.07189	0.00061	0.45217	443.5	5.4	447.5	3.7	412	30	447.5	3.7	0.9	Core
IOS1616_57	255	1.37	0.57300	0.01200	0.07071	0.00094	0.46434	459.3	7.5	440.4	5.7	542	41	440.4	5.7	4.1	Single Age
IOS1616_58	139.4	2.01	0.57800	0.01100	0.07338	0.00074	0.37003	462.1	7.4	456.4	4.5	479	42	456.4	4.5	1.2	Single Age
IOS1616_59	700	6.18	0.57400	0.01200	0.07340	0.00140	0.29951	459.9	7.9	456.6	8.3	468	57	456.6	8.3	0.7	Rim

Table A3, con't.

IOS1616_59	349	132.00	5.32000	0.37000	0.31600	0.01900	0.98957	1830.0	76.0	1758.0	96.0	1958	35	1958.0	35.0	10.2	Core
IOS1616_60	785	1.77	0.83700	0.01000	0.10050	0.00094	0.61310	617.2	5.5	617.2	5.5	613	21	617.2	5.5	0.0	Single Age
IOS1616_61	1027	4.53	0.37800	0.00540	0.04749	0.00051	0.55717	325.3	4.0	299.0	3.1	506	25	299.0	3.1	8.1	Single Age
IOS1616_62	1780	255.00	0.38190	0.00930	0.05240	0.00120	0.65279	328.1	6.9	329.0	7.1	341	40	329.0	7.1	0.3	Rim
IOS1616_62	586	1.84	0.95500	0.01700	0.11140	0.00170	0.65769	680.0	8.8	681.0	10.0	673	30	681.0	10.0	0.1	Core
IOS1616_63	1041	4.53	0.59900	0.04300	0.07240	0.00440	0.66658	473.0	27.0	450.0	27.0	580	110	450.0	27.0	4.9	Rim
IOS1616_63	692	0.82	0.84900	0.02600	0.09820	0.00270	0.67763	622.0	14.0	604.0	16.0	696	46	604.0	16.0	2.9	Core
IOS1616_64	1224	6.26	0.41300	0.02000	0.05500	0.00190	0.70141	350.0	14.0	345.0	12.0	373	74	345.0	12.0	1.4	Rim
IOS1616_64	218.4	1.31	0.53700	0.01500	0.07010	0.00120	0.59469	435.0	10.0	436.5	7.2	424	50	436.5	7.2	0.3	Core
IOS1616_65	218.3	1.76	0.57000	0.01000	0.07250	0.00092	0.10138	457.3	6.6	451.1	5.5	473	40	451.1	5.5	1.4	Single Age
IOS1616_66	288	2.92	0.57230	0.00880	0.07390	0.00058	0.33742	458.9	5.7	459.5	3.5	451	33	459.5	3.5	0.1	Single Age
IOS1616_67	243	2.63	0.58200	0.01200	0.07616	0.00090	0.22120	465.1	7.4	473.1	5.4	419	46	473.1	5.4	1.7	Single Age
IOS1616_68	1370	22.00	0.42700	0.02100	0.05710	0.00250	0.83789	360.0	15.0	358.0	15.0	379	61	358.0	15.0	0.6	Rim
IOS1616_68	1080	3.80	0.56600	0.01000	0.07370	0.00110	0.64161	454.7	6.7	458.3	6.6	437	32	458.3	6.6	0.8	Core
IOS1616_69	916	5.92	0.50470	0.00580	0.06621	0.00061	0.58669	414.6	3.9	413.2	3.7	417	22	413.2	3.7	0.3	Single Age
IOS1616_70	217.9	3.06	0.57050	0.00920	0.07309	0.00073	0.44006	458.5	5.8	454.7	4.4	471	33	454.7	4.4	0.8	Single Age
IOS1616_71	1130	5.20	0.58700	0.01100	0.07510	0.00130	0.75556	468.5	6.7	466.8	7.6	481	26	466.8	7.6	0.4	Single Age
IOS1616_72	956	22.20	0.39400	0.01500	0.05400	0.00190	0.61204	337.0	11.0	339.0	12.0	322	74	339.0	12.0	0.6	Rim
IOS1616_72	78.6	1.90	0.98800	0.02400	0.10980	0.00160	0.30006	696.0	12.0	671.5	9.2	771	55	671.5	9.2	3.5	Core
IOS1616_73	145	1.06	0.55900	0.01100	0.07172	0.00079	0.18915	449.8	7.2	446.4	4.8	457	46	446.4	4.8	0.8	Single Age
IOS1616_74	1774	1.62	1.02100	0.01000	0.11710	0.00110	0.73900	714.0	5.2	714.0	6.4	711	15	714.0	6.4	0.0	Single Age
IOS1616_75	670	6.08	0.55150	0.00740	0.07147	0.00071	0.57585	445.6	4.9	445.0	4.3	448	25	445.0	4.3	0.1	Single Age
IOS1616_76	252.3	3.33	0.57400	0.01400	0.07370	0.00140	0.51980	458.9	9.0	458.2	8.5	465	50	458.2	8.5	0.2	Single Age
IOS1616_77	735	0.52	0.58000	0.01600	0.07040	0.00140	0.65368	466.0	11.0	438.1	8.2	598	46	438.1	8.2	6.0	Single Age
IOS1616_78	229	4.41	0.53890	0.00880	0.06991	0.00063	0.12837	437.2	5.8	435.6	3.8	441	39	435.6	3.8	0.4	Single Age
IOS1616_79	130.4	1.91	0.56200	0.01300	0.07383	0.00097	0.31123	452.3	8.4	459.1	5.9	407	50	459.1	5.9	1.5	Single Age
IOS1616_80	358	4.27	0.57250	0.00860	0.07400	0.00090	0.54294	459.0	5.6	460.1	5.4	458	31	460.1	5.4	0.2	Single Age

Table A3, con’t.

IOS1616_81	1036	13.50	0.41200	0.00890	0.05410	0.00100	0.51062	350.2	6.4	339.4	6.1	424	46	339.4	6.1	3.1	Rim
IOS1616_81	123.2	1.24	0.58600	0.01300	0.07603	0.00086	0.13715	468.5	8.7	472.3	5.2	438	53	472.3	5.2	0.8	Core
IOS1616_82	650	7.59	0.61600	0.02600	0.07580	0.00300	0.70748	487.0	16.0	471.0	18.0	564	63	471.0	18.0	3.3	Rim
IOS1616_82	612	4.58	0.92000	0.01200	0.10550	0.00130	0.72089	661.9	6.6	646.2	7.5	714	21	646.2	7.5	2.4	Core
IOS1616_83	531	2.02	0.54450	0.00920	0.07128	0.00068	0.39161	442.1	6.4	443.9	4.1	434	35	443.9	4.1	0.4	Single Age
IOS1616_84	409	17.90	0.39220	0.00700	0.05349	0.00057	0.32771	335.7	5.1	335.9	3.5	325	39	335.9	3.5	0.1	Rim
IOS1616_84	118	1.01	0.51600	0.02700	0.07000	0.00120	0.11269	422.0	18.0	436.1	7.3	320	120	436.1	7.3	3.3	Core
IOS1616_85	1380	34.00	0.39300	0.05100	0.04930	0.00580	0.85527	334.0	36.0	310.0	36.0	430	170	DISC	DISC	7.2	Rim
IOS1616_85	288.6	4.44	0.43800	0.01400	0.05810	0.00150	0.45741	367.0	10.0	364.0	9.1	374	66	364.0	9.1	0.8	Core
IOS1616_86	2380	81.00	0.37500	0.01300	0.05100	0.00170	0.92873	322.8	9.3	321.0	11.0	342	29	321.0	11.0	0.6	Rim
IOS1616_86	261	1.43	0.57610	0.00970	0.07448	0.00096	0.51216	461.4	6.3	463.0	5.8	445	34	463.0	5.8	0.3	Core
IOS1616_87	495	1.33	0.55060	0.00710	0.07221	0.00065	0.28581	445.1	4.6	449.4	3.9	415	30	449.4	3.9	1.0	Single Age
IOS1616_88	1128	309.00	0.35970	0.00510	0.04929	0.00046	0.44626	311.8	3.8	310.2	2.8	313	28	310.2	2.8	0.5	Rim
IOS1616_88	378	8.40	0.44600	0.01900	0.05900	0.00150	0.57149	374.0	13.0	369.6	9.4	388	77	369.6	9.4	1.2	Core
IOS1616_89	375	2.03	0.56900	0.01300	0.07250	0.00110	0.49440	456.4	8.5	451.1	6.7	473	46	451.1	6.7	1.2	Rim
IOS1616_89	54	1.01	0.71500	0.05800	0.08650	0.00280	0.00722	545.0	34.0	535.0	17.0	560	190	535.0	17.0	1.8	Core
IOS1616_90	372	1.49	0.53010	0.00870	0.06800	0.00090	0.62628	431.3	5.8	424.0	5.4	465	30	424.0	5.4	1.7	Single Age
IOS1616_91	614	3.17	1.08600	0.01700	0.12050	0.00150	0.71243	745.8	8.4	733.2	8.6	771	24	733.2	8.6	1.7	Single Age
IOS1616_92	723	17.30	0.41300	0.01000	0.05590	0.00100	0.36706	350.7	7.4	350.9	6.3	347	56	350.9	6.3	0.1	Rim
IOS1616_92	75.4	1.92	0.88400	0.04900	0.10230	0.00280	0.38344	641.0	26.0	627.0	16.0	680	110	627.0	16.0	2.2	Core
IOS1616_93	1670	7.38	0.57650	0.00920	0.07270	0.00110	0.53696	461.9	5.9	452.4	6.4	508	27	452.4	6.4	2.1	Rim
IOS1616_93	305	1.13	0.78600	0.01400	0.09649	0.00095	0.46057	590.1	7.3	593.8	5.6	568	34	593.8	5.6	0.6	Core
IOS1616_94	669	1.62	0.53050	0.00760	0.06867	0.00083	0.69429	432.3	5.1	428.1	5.0	448	24	428.1	5.0	1.0	Single Age
IOS1616_95	890	7.60	0.44930	0.00860	0.05832	0.00093	0.47940	376.5	6.0	365.4	5.7	441	34	365.4	5.7	2.9	Rim
IOS1616_95	34.5	0.78	0.88100	0.05500	0.08870	0.00240	0.12477	644.0	32.0	548.0	14.0	960	140	DISC	DISC	14.9	Core
IOS1616_96	326	2.25	0.57020	0.00870	0.07220	0.00075	0.44964	457.7	5.6	450.0	4.4	493	31	450.0	4.4	1.7	Single Age
IOS1616_97	291	1.47	0.51600	0.01100	0.06787	0.00085	0.48934	421.8	7.5	423.2	5.1	408	42	423.2	5.1	0.3	Single Age
IOS1616_98	2210	24.70	0.42500	0.01200	0.05610	0.00110	0.70475	359.6	8.7	352.1	7.0	407	48	352.1	7.0	2.1	Rim
IOS1616_98	157	1.68	0.56500	0.01100	0.07334	0.00074	0.30202	454.1	7.3	456.2	4.4	435	44	456.2	4.4	0.5	Core

Table A3, con’t.

IOS1616_99	590	6.00	0.51800	0.01700	0.06920	0.00180	0.81592	423.0	11.0	431.0	11.0	381	38	431.0	11.0	1.9	Rim
IOS1616_99	70	0.66	6.41000	0.23000	0.37100	0.01000	0.83652	2028.0	32.0	2034.0	49.0	2024	36	2024.0	36.0	0.5	Core
IOS1616_100	1690	112.00	0.38000	0.01700	0.05190	0.00230	0.76648	327.0	12.0	326.0	14.0	336	77	326.0	14.0	0.3	Rim
IOS1616_100	141	2.10	0.55000	0.01500	0.07480	0.00100	0.00695	443.4	9.6	464.6	6.0	337	65	464.6	6.0	4.8	Core
IOS1616_101	205.1	1.77	0.57800	0.01100	0.07471	0.00082	0.48556	463.4	7.0	464.4	4.9	448	37	464.4	4.9	0.2	Single Age
IOS1616_102	493	4.47	0.50780	0.00660	0.06702	0.00060	0.31848	416.7	4.4	418.1	3.6	407	28	418.1	3.6	0.3	Single Age
IOS1616_103	179.7	2.40	0.56400	0.01300	0.07424	0.00088	0.32676	453.6	8.2	461.6	5.3	405	48	461.6	5.3	1.8	Single Age
IOS1616_104	162.1	0.92	0.55400	0.01400	0.07170	0.00100	0.33959	446.5	9.0	446.3	6.2	446	54	446.3	6.2	0.0	Single Age
IOS1616_105	812	2.58	0.57030	0.00650	0.07347	0.00059	0.32835	458.0	4.2	457.0	3.5	450	23	457.0	3.5	0.2	Single Age
IOS1616_106	1069	7.20	0.47700	0.01400	0.06230	0.00210	0.69053	395.5	9.5	389.0	13.0	436	54	389.0	13.0	1.6	Rim
IOS1616_106	258	1.53	0.56440	0.00970	0.07340	0.00083	0.33796	453.8	6.3	456.6	5.0	436	39	456.6	5.0	0.6	Core
IOS1616_107	766	23.90	0.39150	0.00530	0.05372	0.00055	0.59449	335.2	3.9	337.3	3.4	319	25	337.3	3.4	0.6	Single Age
IOS1616_108	729	9.00	0.42260	0.00740	0.05684	0.00072	0.35743	357.6	5.3	356.3	4.4	360	41	356.3	4.4	0.4	Rim
IOS1616_108	287.7	3.81	0.78200	0.02100	0.09520	0.00260	0.63289	586.0	12.0	586.0	15.0	586	51	586.0	15.0	0.0	Core
IOS1616_109	478	4.67	0.57110	0.00960	0.07380	0.00110	0.53629	458.0	6.2	458.8	6.6	450	35	458.8	6.6	0.2	Single Age
IOS1616_110	660	3.56	0.55300	0.01300	0.07200	0.00150	0.61903	446.4	8.7	448.4	8.9	419	48	448.4	8.9	0.4	Single Age
IOS1616_111	1910	148.00	0.38060	0.00990	0.05289	0.00097	0.66353	327.2	7.3	332.2	6.0	289	44	332.2	6.0	1.5	Rim
IOS1616_111	731	2.48	0.55000	0.01400	0.07150	0.00150	0.91290	444.1	8.7	445.1	8.8	446	31	445.1	8.8	0.2	Core
IOS1616_112	1690	30.10	0.41400	0.01300	0.05560	0.00140	0.70108	351.5	9.4	348.6	8.5	369	51	348.6	8.5	0.8	Rim
IOS1616_112	661	3.87	0.60900	0.01900	0.07670	0.00140	0.75488	482.0	12.0	476.6	8.3	517	43	476.6	8.3	1.1	Core
IOS1616_113	778	2.33	0.54870	0.00760	0.07294	0.00078	0.57386	443.8	5.0	453.8	4.7	385	26	453.8	4.7	2.3	Single Age
IOS1616_114	2470	275.00	0.36080	0.00700	0.05100	0.00100	0.61770	312.7	5.2	320.9	6.4	253	38	320.9	6.4	2.6	Rim
IOS1616_114	581	2.20	0.55000	0.01000	0.07340	0.00092	0.61787	444.7	6.8	456.5	5.5	378	33	456.5	5.5	2.7	Core
IOS1616_115	196	1.15	0.60300	0.01200	0.07550	0.00100	0.42894	478.4	7.7	468.9	6.1	510	42	468.9	6.1	2.0	Single Age
IOS1616_116	486	3.45	0.57160	0.00710	0.07477	0.00065	0.38570	458.7	4.6	464.8	3.9	424	27	464.8	3.9	1.3	Single Age
IOS1616_117	416	2.96	0.53800	0.02100	0.07330	0.00220	0.55437	436.0	14.0	456.0	13.0	332	74	456.0	13.0	4.6	Rim
IOS1616_117	199.9	0.62	0.90200	0.01800	0.10780	0.00150	0.47826	651.8	9.4	660.1	8.5	626	40	660.1	8.5	1.3	Core
IOS1616_118	1813	24.60	0.39720	0.00820	0.05408	0.00093	0.61245	339.4	6.0	339.5	5.7	338	38	339.5	5.7	0.0	Rim

Table A3, con’t.

IOS1616_118	219	3.73	0.56800	0.01300	0.07500	0.00087	0.64733	456.3	8.3	466.2	5.2	393	45	466.2	5.2	2.2	Core
IOS1616_119	482	5.23	6.60000	0.11000	0.37100	0.00510	0.90986	2056.0	15.0	2033.0	24.0	2081	12	2081.0	12.0	2.3	Single Age
IOS1616_120	340	1.19	0.51120	0.00980	0.06786	0.00086	0.51699	418.7	6.6	423.2	5.2	387	38	423.2	5.2	1.1	Single Age
IOS1616_121	1339	6.06	0.55300	0.01300	0.07170	0.00140	0.78245	446.4	8.6	448.5	9.2	435	35	448.5	9.2	0.5	Rim
IOS1616_121	546	1.64	0.78710	0.00930	0.09640	0.00110	0.52296	589.2	5.3	593.5	6.7	572	25	593.5	6.7	0.7	Core
IOS1616_122	514	2.34	0.83600	0.01000	0.09951	0.00083	0.48692	616.3	5.7	611.5	4.9	634	23	611.5	4.9	0.8	Single Age
IOS1616_123	305	1.31	0.55510	0.00920	0.07125	0.00090	0.45346	447.9	6.0	443.6	5.4	464	34	443.6	5.4	1.0	Single Age
IOS1616_124	972	6.45	0.41900	0.01100	0.05520	0.00150	0.57544	355.3	8.0	346.3	9.4	416	56	346.3	9.4	2.5	Rim
IOS1616_124	291.6	1.22	0.60900	0.01700	0.07390	0.00130	0.12364	482.0	11.0	459.3	7.5	585	70	459.3	7.5	4.7	Core
IOS1616_125	816	17.70	0.41000	0.01600	0.05440	0.00150	0.62805	349.0	11.0	341.2	9.3	399	67	341.2	9.3	2.2	Rim
IOS1616_125	219	2.16	0.59800	0.01600	0.07218	0.00090	0.16173	474.6	9.9	449.2	5.4	588	49	449.2	5.4	5.4	Core
IOS1616_126	172	2.22	0.56700	0.01500	0.07334	0.00099	0.22964	455.0	9.4	456.2	5.9	439	57	456.2	5.9	0.3	Rim
IOS1616_126	133	1.51	0.74700	0.02400	0.08850	0.00180	0.28711	566.0	14.0	547.0	10.0	635	73	547.0	10.0	3.4	Core
IOS1616_127	1036	13.98	0.42400	0.01600	0.05640	0.00210	0.69859	358.0	12.0	353.0	13.0	388	67	353.0	13.0	1.4	Rim
IOS1616_127	306	1.55	0.52690	0.00940	0.06760	0.00087	0.29021	429.3	6.3	421.6	5.2	462	42	421.6	5.2	1.8	Core
IOS1616_128	1210	44.00	0.41600	0.01100	0.05520	0.00110	0.68979	352.7	7.6	346.5	6.6	390	42	346.5	6.6	1.8	Rim
IOS1616_128	332	2.38	0.53400	0.01100	0.06916	0.00094	0.53181	434.1	7.4	431.0	5.7	442	39	431.0	5.7	0.7	Core
IOS1616_129	2060	34.00	0.40430	0.00510	0.05387	0.00073	0.42930	344.6	3.7	338.2	4.5	380	30	338.2	4.5	1.9	Rim
IOS1616_129	327	4.84	0.58300	0.01100	0.07420	0.00110	0.51861	466.1	7.2	461.6	6.3	482	37	461.6	6.3	1.0	Core
IOS1616_130	643	7.57	0.47800	0.01100	0.06200	0.00110	0.57486	396.6	7.5	387.5	6.7	445	44	387.5	6.7	2.3	Rim
IOS1616_130	154.3	1.54	0.59000	0.01500	0.07450	0.00100	0.39282	469.9	9.8	462.9	6.3	492	55	462.9	6.3	1.5	Core
IOS1616_131	238	4.14	0.57800	0.02200	0.07210	0.00190	0.23663	462.0	14.0	449.0	11.0	519	87	449.0	11.0	2.8	Rim
IOS1616_131	228	2.01	8.70000	0.37000	0.35800	0.01300	0.97712	2294.0	41.0	1965.0	65.0	2609	18	2609.0	18.0	24.7	Core
IOS1616_132	151.6	2.27	0.57100	0.01000	0.07243	0.00076	0.36710	458.0	6.8	450.7	4.6	484	39	450.7	4.6	1.6	Single Age
IOS1616_133	190.7	1.13	0.68400	0.01700	0.08430	0.00120	0.23520	530.0	11.0	521.4	7.0	541	51	521.4	7.0	1.6	Single Age
IOS1616_134	555	201.00	0.36930	0.00590	0.04988	0.00058	0.41827	319.5	4.5	313.8	3.6	363	34	313.8	3.6	1.8	Rim
IOS1616_134	69.3	0.81	1.04000	0.18000	0.07630	0.00230	0.59094	694.0	81.0	474.0	14.0	1370	270	DISC	DISC	31.7	Core
IOS1616_135	150	1.95	0.87400	0.01800	0.10110	0.00110	0.34866	637.7	9.9	620.9	6.4	683	40	620.9	6.4	2.6	Single Age
IOS1616_136	365.3	1.95	0.56380	0.00830	0.07217	0.00065	0.30344	453.6	5.3	449.2	3.9	474	32	449.2	3.9	1.0	Single Age

Table A3, con't.

IOS1616_137	183.6	1.03	0.56600	0.01100	0.07277	0.00073	0.26240	454.9	7.2	452.8	4.4	461	43	452.8	4.4	0.5	Single Age
IOS1616_138	409	0.98	0.61100	0.01200	0.07138	0.00057	0.31993	483.1	7.4	444.4	3.4	682	42	444.4	3.4	8.0	Single Age
IOS1616_139	420	4.27	0.56740	0.00760	0.07301	0.00061	0.36228	455.9	4.9	454.2	3.6	471	28	454.2	3.6	0.4	Single Age
IOS1616_140	336	1.73	0.56500	0.01100	0.07110	0.00110	0.44942	453.7	7.4	442.4	6.7	508	42	442.4	6.7	2.5	Single Age
IOS1616_141	235	2.01	0.55800	0.01000	0.07133	0.00071	0.19942	449.2	6.8	444.1	4.3	465	42	444.1	4.3	1.1	Single Age
IOS1616_142	250	3.97	0.57100	0.01200	0.07400	0.00120	0.38291	458.3	8.0	460.0	6.9	442	48	460.0	6.9	0.4	Rim
IOS1616_142	397	2.86	7.12000	0.27000	0.32200	0.01100	0.97688	2126.0	34.0	1805.0	51.0	2442	20	2442.0	20.0	26.1	Core
IOS1616_144	193	2.77	0.58000	0.01100	0.07390	0.00074	0.22900	463.9	6.9	459.5	4.4	470	42	459.5	4.4	0.9	Single Age

SAMPLE NAME: IOS1625

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1625_1	437.4	35.60	0.38000	0.01200	0.05236	0.00077	0.44055	326.8	8.8	329.0	4.7	305	62	329.0	4.7	0.7	Rim
IOS1625_1	326.7	1.90	0.73300	0.03000	0.08510	0.00210	0.58535	558.0	17.0	526.0	13.0	666	68	526.0	13.0	5.7	Core
IOS1625_2	534	22.80	0.27400	0.02000	0.03270	0.00160	0.45228	245.0	16.0	207.2	9.8	610	140	DISC	DISC	15.4	Rim
IOS1625_2	454	15.28	0.38700	0.01800	0.05430	0.00170	0.41264	332.0	13.0	341.0	11.0	272	96	341.0	11.0	2.7	Rim
IOS1625_2	422	1.97	5.88000	0.17000	0.28270	0.00790	0.92808	1953.0	25.0	1603.0	40.0	2346	18	DISC	DISC	31.7	Core
IOS1625_3	141.7	1.29	0.37800	0.01100	0.04823	0.00078	0.42733	325.4	8.3	303.6	4.8	455	59	303.6	4.8	6.7	Single Age
IOS1625_4	357	13.60	0.38400	0.01800	0.05300	0.00130	0.26855	329.0	13.0	332.8	7.9	290	100	332.8	7.9	1.2	Rim
IOS1625_4	540	4.70	1.26400	0.04700	0.10930	0.00300	0.80213	828.0	21.0	669.0	17.0	1270	44	DISC	DISC	19.2	Core
IOS1625_5	1010	80.00	0.38300	0.01400	0.05300	0.00160	0.66173	329.0	10.0	332.6	9.8	299	62	332.6	9.8	1.1	Rim
IOS1625_5	55.7	2.79	3.04000	0.22000	0.15720	0.00830	0.87331	1396.0	53.0	939.0	46.0	2187	62	DISC	DISC	32.7	Core
IOS1625_6	161	3.20	0.60900	0.02500	0.06950	0.00170	0.35748	481.0	16.0	433.0	10.0	698	81	433.0	10.0	10.0	Rim
IOS1625_6	92.9	1.05	0.78200	0.04300	0.08960	0.00210	0.28881	592.0	28.0	553.0	12.0	690	130	553.0	12.0	6.6	Core
IOS1625_7	368	2.52	1.07100	0.04000	0.11660	0.00290	0.52553	738.0	19.0	711.0	17.0	805	67	711.0	17.0	3.7	Single Age
IOS1625_8	430.4	1.40	0.36220	0.00640	0.05027	0.00045	0.31601	313.4	4.8	316.2	2.7	280	38	316.2	2.7	0.9	Single Age

Table A3, con't.

IOS1625_9	156.2	2.45	0.37480	0.00950	0.04967	0.00063	0.27929	322.3	7.0	312.4	3.9	372	54	312.4	3.9	3.1	Single Age
IOS1625_10	266.5	42.80	0.39100	0.02200	0.04760	0.00230	0.65482	334.0	16.0	300.0	14.0	574	93	DISC	DISC	10.2	Rim
IOS1625_10	144	1.03	1.09700	0.04100	0.11250	0.00300	0.20552	750.0	20.0	687.0	17.0	923	85	687.0	17.0	8.4	Core
IOS1625_11	561	32.70	0.35580	0.00980	0.05007	0.00089	0.51733	308.7	7.4	314.9	5.5	260	54	314.9	5.5	2.0	Rim
IOS1625_11	497	7.27	0.53100	0.01600	0.06660	0.00130	0.58650	432.0	10.0	415.4	7.6	502	52	415.4	7.6	3.8	Core
IOS1625_12	80.3	1.01	0.36000	0.01100	0.04925	0.00077	0.06297	311.4	8.1	309.9	4.7	322	71	309.9	4.7	0.5	Single Age
IOS1625_13	405	4.16	0.36700	0.01100	0.04979	0.00091	0.55612	317.0	8.1	313.2	5.6	333	55	313.2	5.6	1.2	Single Age
IOS1625_14	80.1	1.10	0.37100	0.01400	0.04930	0.00100	0.16651	319.0	10.0	310.4	6.2	380	83	310.4	6.2	2.7	Single Age
IOS1625_15	314	19.50	0.36300	0.01000	0.04643	0.00094	0.26740	314.8	7.7	292.5	5.8	474	66	292.5	5.8	7.1	Rim
IOS1625_15	744	12.90	3.80000	0.11000	0.18730	0.00550	0.91360	1590.0	24.0	1106.0	30.0	2282	25	DISC	DISC	30.4	Core
IOS1625_16	251	4.79	0.37100	0.01200	0.05170	0.00110	0.27582	319.7	8.8	325.1	6.5	279	71	325.1	6.5	1.7	Rim
IOS1625_16	182.1	9.06	0.68700	0.01800	0.08200	0.00170	0.34552	532.0	12.0	508.0	9.9	616	61	508.0	9.9	4.5	Core
IOS1625_17	369	6.70	1.50900	0.08800	0.13170	0.00660	0.71568	930.0	36.0	797.0	38.0	1272	64	DISC	DISC	14.3	Single Age
IOS1625_18	204.4	44.70	0.95100	0.07900	0.04970	0.00220	0.65651	671.0	40.0	312.0	13.0	2170	110	DISC	DISC	53.5	Rim
IOS1625_18	247.8	3.68	1.06900	0.05000	0.08750	0.00250	0.34311	733.0	24.0	540.0	15.0	1356	86	DISC	DISC	26.3	Core
IOS1625_19	159.1	2.50	1.47800	0.03500	0.14250	0.00240	0.50231	920.0	15.0	859.0	13.0	1048	44	859.0	13.0	6.6	Single Age
IOS1625_20	70	1.97	0.38500	0.01600	0.04956	0.00089	0.09896	328.0	12.0	311.7	5.4	428	91	311.7	5.4	5.0	Single Age
IOS1625_21	126	1.47	0.37200	0.01400	0.05112	0.00094	0.26849	320.0	10.0	321.3	5.8	324	82	321.3	5.8	0.4	Single Age
IOS1625_22	319.7	28.13	0.69700	0.03100	0.05232	0.00078	0.53636	532.0	18.0	328.7	4.8	1507	75	DISC	DISC	38.2	Single Age
IOS1625_23	729	13.51	0.38570	0.00630	0.05133	0.00060	0.41970	330.8	4.6	322.6	3.7	369	36	322.6	3.7	2.5	Single Age
IOS1625_24	280.3	16.50	0.36130	0.00830	0.04881	0.00063	0.46651	312.6	6.2	307.2	3.9	334	45	307.2	3.9	1.7	Single Age
IOS1625_25	92.5	0.87	0.38000	0.01300	0.05018	0.00085	0.23388	325.4	9.6	315.5	5.2	375	73	315.5	5.2	3.0	Single Age
IOS1625_26	92.1	3.40	0.34700	0.01200	0.04872	0.00099	0.31872	302.4	8.5	306.6	6.1	255	68	306.6	6.1	1.4	Single Age
IOS1625_27	1820	76.00	0.39090	0.00690	0.05201	0.00066	0.67079	334.6	5.0	326.8	4.1	371	29	326.8	4.1	2.3	Single Age
IOS1625_28	266.8	23.90	0.36700	0.00880	0.04819	0.00059	0.39637	316.8	6.5	303.4	3.6	402	49	303.4	3.6	4.2	Single Age
IOS1625_29	258	5.79	0.39900	0.01000	0.05430	0.00110	0.59972	340.2	7.5	340.6	6.6	323	46	340.6	6.6	0.1	Single Age

Table A3, con't.

IOS1625_30	270.1	3.51	1.13500	0.06900	0.06130	0.00130	0.15783	759.0	31.0	383.2	7.9	2060	100	DISC	DISC	49.5	Single Age
IOS1625_31	914	5.24	0.39210	0.00950	0.04660	0.00110	0.50555	335.6	6.9	293.7	6.8	615	53	DISC	DISC	12.5	Single Age
IOS1625_32	164.4	4.62	0.36500	0.01500	0.05090	0.00120	0.51060	315.0	11.0	321.5	7.7	258	76	321.5	7.7	2.1	Single Age
IOS1625_33	31.4	0.72	0.39100	0.02400	0.05040	0.00120	0.14820	331.0	17.0	316.8	7.4	420	130	316.8	7.4	4.3	Single Age
IOS1625_34	1146	3.89	0.75800	0.01100	0.09360	0.00130	0.75366	573.3	6.4	576.9	7.6	551	22	576.9	7.6	0.6	Single Age
IOS1625_35	75.2	4.31	0.41500	0.01600	0.05410	0.00110	0.27447	352.0	12.0	339.6	6.4	395	79	339.6	6.4	3.5	Single Age
IOS1625_36	128.9	10.70	0.27200	0.02100	0.03730	0.00100	0.20195	243.0	17.0	235.8	6.5	300	160	235.8	6.5	3.0	Single Age
IOS1625_37	589	12.70	0.34830	0.00780	0.04819	0.00073	0.54187	303.1	5.8	303.4	4.5	294	44	303.4	4.5	0.1	Rim
IOS1625_37	441.8	24.80	0.58900	0.01900	0.07410	0.00160	0.60959	469.0	12.0	460.8	9.8	485	59	460.8	9.8	1.7	Core
IOS1625_38	285	30.10	0.38460	0.00910	0.05248	0.00080	0.54585	329.7	6.7	329.7	4.9	318	45	329.7	4.9	0.0	Single Age
IOS1625_39	286.3	12.60	0.36800	0.01600	0.05130	0.00120	0.06980	318.0	12.0	322.2	7.3	278	97	322.2	7.3	1.3	Rim
IOS1625_39	729	17.19	0.72500	0.01600	0.08900	0.00150	0.80168	553.1	9.6	551.1	8.2	552	30	551.1	8.2	0.4	Core
IOS1625_41	52.2	0.63	0.39600	0.02300	0.05090	0.00110	0.05741	336.0	17.0	320.2	7.0	410	130	320.2	7.0	4.7	Single Age
IOS1625_42	295.6	15.30	0.39300	0.02300	0.05320	0.00200	0.51509	336.0	17.0	334.0	12.0	340	110	334.0	12.0	0.6	Single Age
IOS1625_43	858	97.00	0.39700	0.01300	0.05210	0.00130	0.61988	338.9	9.2	327.2	8.0	418	56	327.2	8.0	3.5	Single Age
IOS1625_50	186.1	29.80	0.55800	0.01400	0.06571	0.00099	0.92885	429.6	6.7	407.4	5.8	572	20	407.4	5.8	5.2	Single Age
IOS1625_43	677	12.36	0.50700	0.01800	0.06340	0.00170	0.52739	416.0	12.0	396.0	10.0	510	67	396.0	10.0	4.8	Single Age
IOS1625_44	990	191.00	0.38450	0.00940	0.05120	0.00100	0.48766	329.9	6.9	321.6	6.1	388	51	321.6	6.1	2.5	Single Age
IOS1625_45	1320	72.00	0.41700	0.01500	0.05530	0.00190	0.63418	354.0	11.0	347.0	12.0	400	72	347.0	12.0	2.0	Rim
IOS1625_45	770	4.60	0.64800	0.01100	0.07840	0.00120	0.70602	506.5	6.9	486.3	7.1	591	27	486.3	7.1	4.0	Core
IOS1625_46	337	61.00	0.36000	0.01100	0.05079	0.00092	0.31533	311.6	8.2	319.3	5.6	239	66	319.3	5.6	2.5	Rim
IOS1625_46	109	1.92	0.65300	0.02200	0.08290	0.00240	0.13552	510.0	14.0	513.0	14.0	450	110	513.0	14.0	0.6	Core
IOS1625_47	334	61.90	0.44000	0.02400	0.05280	0.00170	0.59997	369.0	17.0	331.0	10.0	575	94	DISC	DISC	10.3	Rim
IOS1625_47	462	16.30	0.82100	0.01800	0.09640	0.00200	0.60126	608.0	10.0	593.0	12.0	666	41	593.0	12.0	2.5	Core
IOS1625_48	368	67.90	0.36600	0.01800	0.04990	0.00180	0.64595	316.0	13.0	314.0	11.0	326	83	314.0	11.0	0.6	Rim
IOS1625_48	433	2.67	0.92700	0.02000	0.10170	0.00150	0.50884	665.0	11.0	624.2	8.9	793	40	624.2	8.9	6.1	Core
IOS1625_49	1100	146.00	0.36520	0.00850	0.04946	0.00091	0.66466	315.4	6.3	311.1	5.6	340	39	311.1	5.6	1.4	Single Age

Table A3, con't.

IOS1625_50	254	5.72	0.37110	0.00910	0.05367	0.00061	0.32333	320.8	6.9	337.0	3.7	203	50	337.0	3.7	5.0	Single Age
IOS1625_51	362	5.39	0.43500	0.01900	0.05680	0.00170	0.52585	366.0	13.0	356.0	10.0	423	82	356.0	10.0	2.7	Single Age
IOS1625_52	644	44.80	0.63100	0.05000	0.06450	0.00340	0.68017	495.0	31.0	403.0	21.0	930	130	DISC	DISC	18.6	Rim
IOS1625_52	66.5	0.80	8.88000	0.17000	0.41050	0.00660	0.58358	2323.0	18.0	2216.0	30.0	2419	29	2419.0	29.0	8.4	Core
IOS1625_53	335.9	19.15	0.36170	0.00810	0.05032	0.00070	0.30971	313.1	6.0	316.5	4.3	267	46	316.5	4.3	1.1	Single Age
IOS1625_54	856	10.40	0.35280	0.00640	0.04988	0.00081	0.39634	306.4	4.8	313.7	5.0	257	43	313.7	5.0	2.4	Single Age
IOS1625_55	189.5	16.50	0.34600	0.01000	0.04832	0.00096	0.04863	300.9	7.4	304.1	5.9	296	75	304.1	5.9	1.1	Single Age
IOS1625_56	1210	33.40	0.75800	0.01800	0.09200	0.00220	0.53780	572.0	11.0	567.0	13.0	591	51	567.0	13.0	0.9	Single Age
IOS1625_57	226	7.76	0.60900	0.04200	0.06160	0.00250	0.36383	480.0	26.0	385.0	15.0	980	120	DISC	DISC	19.8	Single Age
IOS1625_58	319	10.40	0.38900	0.01000	0.05310	0.00100	0.19322	332.2	7.6	333.4	6.1	304	56	333.4	6.1	0.4	Single Age
IOS1625_59	569	22.00	0.35740	0.00990	0.04938	0.00094	0.54017	309.6	7.4	310.6	5.8	287	52	310.6	5.8	0.3	Rim
IOS1625_59	358.1	7.10	0.57200	0.02100	0.07370	0.00170	0.55731	458.0	14.0	458.0	10.0	432	69	458.0	10.0	0.0	Core
IOS1625_60	138.3	2.08	0.37900	0.01100	0.05000	0.00110	0.14959	325.4	8.3	314.4	6.8	383	77	314.4	6.8	3.4	Single Age
IOS1625_61	693	21.80	0.36690	0.00580	0.05002	0.00061	0.29890	317.0	4.3	314.6	3.8	329	36	314.6	3.8	0.8	Single Age
IOS1625_62	425	21.80	0.40600	0.02700	0.05200	0.00260	0.39001	344.0	19.0	326.0	16.0	453	95	326.0	16.0	5.2	Rim
IOS1625_62	110.7	2.43	1.21400	0.05600	0.12990	0.00340	0.48610	803.0	26.0	787.0	19.0	809	87	787.0	19.0	2.0	Core
IOS1625_63	1070	19.50	0.36000	0.01400	0.04870	0.00220	0.74818	312.7	9.6	306.0	13.0	344	60	306.0	13.0	2.1	Single Age
IOS1625_64	751	31.30	0.40200	0.01400	0.05260	0.00150	0.74102	342.0	10.0	330.2	8.9	429	55	330.2	8.9	3.5	Rim
IOS1625_64	161.9	1.67	1.48000	0.05100	0.14630	0.00290	0.15386	921.0	21.0	880.0	16.0	973	81	880.0	16.0	4.5	Core
IOS1625_65	375.4	22.32	0.37050	0.00730	0.05111	0.00074	0.34290	319.6	5.4	321.3	4.5	297	45	321.3	4.5	0.5	Single Age
IOS1625_66	351	47.80	0.36390	0.00970	0.04937	0.00061	0.20948	314.3	7.2	310.6	3.8	308	52	310.6	3.8	1.2	Single Age
IOS1625_67	358	1.09	0.47300	0.01100	0.05800	0.00110	0.26542	392.4	7.4	363.3	6.8	558	57	363.3	6.8	7.4	Single Age
IOS1625_68	493	3.12	0.35990	0.00660	0.04927	0.00058	0.28330	311.8	4.9	310.0	3.6	297	41	310.0	3.6	0.6	Single Age
IOS1625_69	460	13.70	0.42300	0.01800	0.05070	0.00110	0.16943	359.0	13.0	318.6	6.8	618	88	DISC	DISC	11.3	Single Age
IOS1625_70	302	19.10	0.38100	0.01000	0.05080	0.00110	0.43234	327.0	7.4	319.1	7.0	361	60	319.1	7.0	2.4	Rim
IOS1625_70	222	3.36	1.06900	0.06800	0.11100	0.00540	0.57558	736.0	32.0	678.0	31.0	900	110	678.0	31.0	7.9	Core

Table A3, con't.

IOS1625_71	202	7.60	0.36600	0.01500	0.04990	0.00100	0.27558	315.0	11.0	314.0	6.2	313	88	314.0	6.2	0.3	Rim
IOS1625_71	623.3	25.52	2.09000	0.14000	0.14170	0.00720	0.97933	1126.0	45.0	852.0	41.0	1691	36	DISC	DISC	24.3	Core
IOS1625_72	641	16.96	0.35940	0.00680	0.04898	0.00062	0.47122	311.3	5.1	308.2	3.8	309	38	308.2	3.8	1.0	Single Age
IOS1625_73	159.7	3.82	0.35900	0.01000	0.04734	0.00062	0.20091	310.8	7.5	298.1	3.8	380	62	298.1	3.8	4.1	Single Age
IOS1625_74	2280	8.74	0.35850	0.00580	0.04786	0.00055	0.40676	310.9	4.3	301.3	3.4	358	33	301.3	3.4	3.1	Single Age
IOS1625_75	164	31.30	0.37700	0.01300	0.04928	0.00096	0.34270	323.5	9.2	310.7	6.0	401	67	310.7	6.0	4.0	Single Age
IOS1625_76	1130	200.00	0.36300	0.01000	0.04924	0.00096	0.37825	313.8	7.4	309.8	5.9	342	57	309.8	5.9	1.3	Single Age
IOS1625_77	324	5.70	0.37160	0.00910	0.04960	0.00091	0.39745	320.1	6.8	312.8	5.8	348	52	312.8	5.8	2.3	Single Age
IOS1625_78	235	2.43	0.37800	0.01300	0.04930	0.00160	0.62524	325.1	9.4	310.0	10.0	419	63	310.0	10.0	4.6	Single Age
IOS1625_79	149.8	1.86	4.87000	0.08000	0.30270	0.00440	0.58399	1796.0	14.0	1708.0	21.0	1887	24	1887.0	24.0	9.5	Single Age
IOS1625_80	839	11.89	0.34760	0.00660	0.04680	0.00084	0.44220	302.6	5.0	294.8	5.1	344	43	294.8	5.1	2.6	Single Age
IOS1625_81	928	7.20	0.49700	0.01300	0.05660	0.00130	0.45095	408.9	8.6	354.7	8.2	709	53	DISC	DISC	13.3	Single Age
IOS1625_82	630	19.76	0.36630	0.00900	0.04849	0.00095	0.59066	316.3	6.7	305.2	5.8	385	48	305.2	5.8	3.5	Single Age
IOS1625_83	2106	103.40	1.09300	0.02100	0.10390	0.00160	0.58139	749.0	10.0	637.2	9.1	1077	33	DISC	DISC	14.9	Single Age
IOS1625_84	268.9	10.37	0.35450	0.00940	0.05000	0.00120	0.37178	308.4	7.2	314.7	7.2	253	58	314.7	7.2	2.0	Single Age
IOS1625_85	239.1	20.60	0.41500	0.01100	0.05115	0.00097	0.39548	351.7	7.7	321.5	5.9	521	56	321.5	5.9	8.6	Single Age
IOS1625_86	240.8	6.73	0.36800	0.00990	0.04877	0.00089	0.38113	317.4	7.3	306.9	5.5	368	56	306.9	5.5	3.3	Single Age
IOS1625_87	222	6.70	0.35780	0.00800	0.04902	0.00058	0.26210	309.9	6.0	308.5	3.6	293	47	308.5	3.6	0.5	Single Age
IOS1625_88	99	7.95	1.53300	0.06700	0.15390	0.00630	0.46178	937.0	27.0	921.0	35.0	964	93	921.0	35.0	1.7	Single Age
IOS1625_89	790	18.30	0.35000	0.01300	0.04810	0.00130	0.33166	303.2	9.4	302.7	7.8	290	75	302.7	7.8	0.2	Single Age
IOS1625_90	454	30.80	0.37290	0.00800	0.05116	0.00087	0.65407	321.3	5.9	321.6	5.3	299	38	321.6	5.3	0.1	Single Age
IOS1625_91	288	16.70	0.39600	0.01800	0.05340	0.00190	0.47045	338.0	13.0	335.0	12.0	343	89	335.0	12.0	0.9	Rim
IOS1625_91	1396	2.15	0.83400	0.03400	0.09350	0.00240	0.17663	614.0	18.0	576.0	14.0	710	66	576.0	14.0	6.2	Core
IOS1625_92	226	38.80	0.37700	0.01500	0.05260	0.00200	0.71781	325.0	11.0	330.0	12.0	305	63	330.0	12.0	1.5	Rim
IOS1625_92	51.8	-1370.00	0.99100	0.04900	0.10690	0.00310	0.29568	696.0	25.0	654.0	18.0	800	110	654.0	18.0	6.0	Core

Table A3, con't.

IOS1625_93	305.7	124.00	0.35900	0.01500	0.04900	0.00120	0.57378	311.0	11.0	308.4	7.2	313	76	308.4	7.2	0.8	Rim
IOS1625_93	142.5	1.22	5.08000	0.10000	0.31840	0.00550	0.53336	1832.0	17.0	1781.0	27.0	1871	34	1871.0	34.0	4.8	Core
IOS1625_94	466	13.15	0.40640	0.00970	0.05326	0.00087	0.43339	345.3	7.0	334.4	5.3	413	49	334.4	5.3	3.2	Single Age
IOS1625_95	621	45.70	0.45200	0.02400	0.05850	0.00240	0.66174	378.0	17.0	367.0	15.0	431	89	367.0	15.0	2.9	Rim
IOS1625_95	159.5	1.59	1.74100	0.06200	0.14730	0.00340	0.82433	1021.0	23.0	886.0	19.0	1303	42	DISC	DISC	13.2	Core
IOS1625_96	391	79.90	0.81400	0.01700	0.09950	0.00180	0.46963	604.0	9.5	611.0	10.0	572	43	611.0	10.0	1.2	Rim
IOS1625_96	462	98.00	2.48000	0.08700	0.13400	0.00380	0.56336	1263.0	25.0	810.0	22.0	2131	51	DISC	DISC	35.9	Core
IOS1625_97	642	4.26	1.30100	0.03800	0.13230	0.00410	0.81729	844.0	17.0	801.0	23.0	951	38	801.0	23.0	5.1	Single Age
IOS1625_98	99.3	2.97	1.27900	0.04800	0.13690	0.00350	0.62113	829.0	22.0	826.0	20.0	821	69	826.0	20.0	0.4	Single Age
IOS1625_99	187	15.20	0.37100	0.01700	0.04910	0.00200	0.63757	319.0	12.0	309.0	12.0	413	80	309.0	12.0	3.1	Rim
IOS1625_99	181	1.28	1.14100	0.06200	0.12120	0.00410	0.56071	770.0	28.0	737.0	24.0	865	91	737.0	24.0	4.3	Core
IOS1625_100	209	3.21	0.36090	0.00970	0.05125	0.00081	0.22920	312.2	7.2	322.1	4.9	233	59	322.1	4.9	3.2	Single Age
IOS1625_101	394	36.70	0.37300	0.01100	0.04919	0.00066	0.21187	321.2	8.2	309.5	4.0	404	66	309.5	4.0	3.6	Rim
IOS1625_101	481	4.48	1.56600	0.06000	0.12760	0.00510	0.81289	955.0	24.0	774.0	29.0	1407	45	DISC	DISC	19.0	Core
IOS1625_102	701	42.00	0.36270	0.00880	0.05018	0.00094	0.35716	313.9	6.6	315.6	5.7	300	55	315.6	5.7	0.5	Rim
IOS1625_102	776	56.00	0.69400	0.01300	0.08440	0.00150	0.50393	534.9	7.8	522.2	8.9	579	39	522.2	8.9	2.4	Core
IOS1625_103	168.8	1.53	0.46080	0.00940	0.05997	0.00077	0.28259	384.0	6.5	375.4	4.7	430	46	375.4	4.7	2.2	Single Age
IOS1625_104	653	54.20	0.34760	0.00810	0.04886	0.00079	0.15051	302.2	6.0	307.5	4.9	246	44	307.5	4.9	1.8	Single Age
IOS1625_105	467	19.60	0.34360	0.00710	0.04701	0.00074	0.51641	300.1	5.2	296.1	4.5	291	42	296.1	4.5	1.3	Single Age
IOS1625_106	166	2.91	0.39700	0.01100	0.05277	0.00076	0.31673	338.1	7.7	331.4	4.7	368	58	331.4	4.7	2.0	Single Age
IOS1625_107	325.4	2.49	0.80600	0.02700	0.09700	0.00250	0.53782	599.0	15.0	597.0	14.0	578	63	597.0	14.0	0.3	Single Age
IOS1625_108	340	22.37	0.62900	0.01900	0.07840	0.00160	0.54391	495.0	12.0	486.5	9.5	517	56	486.5	9.5	1.7	Single Age
IOS1625_109	531	27.70	0.38600	0.01500	0.05020	0.00190	0.63262	331.0	11.0	316.0	12.0	423	76	316.0	12.0	4.5	Rim
IOS1625_109	141.4	1.37	1.48500	0.03800	0.14620	0.00250	0.43092	923.0	15.0	879.0	14.0	1016	48	879.0	14.0	4.8	Core
IOS1625_110	106.4	13.10	0.35500	0.01100	0.04942	0.00077	0.25165	307.4	8.0	310.9	4.7	273	65	310.9	4.7	1.1	Single Age
IOS1625_111	860	49.00	0.38100	0.01000	0.05178	0.00098	0.53817	327.3	7.4	325.4	6.0	344	51	325.4	6.0	0.6	Single Age
IOS1625_112	785	28.40	0.43000	0.02200	0.05710	0.00320	0.74765	362.0	15.0	358.0	20.0	398	90	358.0	20.0	1.1	Rim

Table A3, con’t.

IOS1625_112	398.9	0.98	0.89000	0.02000	0.10250	0.00170	0.56607	645.0	11.0	629.0	9.7	697	40	629.0	9.7	2.5	Core
IOS1625_113	1175	78.90	0.41700	0.01900	0.05310	0.00160	0.67706	352.0	14.0	333.7	9.9	464	71	333.7	9.9	5.2	Rim
IOS1625_113	199	3.74	3.05000	0.10000	0.19620	0.00580	0.48951	1419.0	26.0	1155.0	31.0	1830	60	DISC	DISC	18.6	Core
IOS1625_114	572	32.70	0.37500	0.01600	0.04790	0.00200	0.54799	323.0	12.0	302.0	12.0	479	87	302.0	12.0	6.5	Rim
IOS1625_114	70.9	1.35	0.77500	0.02800	0.09410	0.00250	0.25939	581.0	16.0	580.0	15.0	566	82	580.0	15.0	0.2	Core
IOS1625_115	348	25.60	0.38900	0.01600	0.05260	0.00150	0.44705	333.0	11.0	330.5	9.0	347	78	330.5	9.0	0.8	Rim
IOS1625_115	211.2	7.60	5.19000	0.18000	0.25110	0.00770	0.90675	1845.0	30.0	1442.0	40.0	2331	27	DISC	DISC	38.1	Core
IOS1625_116	0.203	-19.10	########	570.00000	41.10000	5.70000	0.89310	8470.0	150.0	23640.0	960.0	4980	110	DISC	DISC	374.7	Single Age
IOS1625_117	2025	7.21	0.41320	0.00620	0.05243	0.00068	0.62016	350.9	4.4	329.4	4.2	491	27	329.4	4.2	6.1	Single Age
IOS1625_118	172	5.31	0.38200	0.01400	0.05070	0.00100	0.25350	327.2	9.9	318.5	6.4	366	76	318.5	6.4	2.7	Single Age
IOS1625_119	336	4.43	0.38570	0.00980	0.05187	0.00096	0.43112	330.3	7.1	325.9	5.9	356	50	325.9	5.9	1.3	Single Age
IOS1625_120	635	39.80	0.35930	0.00760	0.04895	0.00052	0.23822	311.2	5.7	308.0	3.2	321	46	308.0	3.2	1.0	Single Age
IOS1625_122	262	6.90	0.36770	0.00930	0.04947	0.00066	0.39175	317.1	6.9	311.2	4.0	342	51	311.2	4.0	1.9	Single Age
IOS1625_123	850	11.26	0.37770	0.00660	0.05197	0.00089	0.55176	324.9	4.9	326.5	5.5	302	36	326.5	5.5	0.5	Single Age
IOS1625_124	930	60.00	0.36700	0.01400	0.04160	0.00160	0.48321	316.0	10.0	262.5	9.8	710	85	DISC	DISC	16.9	Single Age
IOS1625_125	94.6	1.34	0.37600	0.01200	0.05063	0.00090	0.23237	322.7	8.8	318.3	5.5	336	70	318.3	5.5	1.4	Single Age
IOS1625_126	400	42.80	0.34390	0.00820	0.04626	0.00090	0.29085	299.4	6.2	291.4	5.6	348	43	291.4	5.6	2.7	Single Age
IOS1625_127	428	1.85	0.36340	0.00720	0.04924	0.00070	0.26527	314.3	5.3	309.8	4.3	349	49	309.8	4.3	1.4	Single Age
IOS1625_128	77.6	3.27	0.21200	0.02500	0.02370	0.00180	0.34312	193.0	20.0	151.0	11.0	680	220	DISC	DISC	21.8	Rim
IOS1625_128	312	11.50	0.71000	0.04200	0.08690	0.00430	0.88563	541.0	24.0	537.0	26.0	533	58	537.0	26.0	0.7	Core
IOS1625_129	354	3.25	0.36900	0.01100	0.04999	0.00077	0.34627	318.9	8.2	314.4	4.7	315	62	314.4	4.7	1.4	Single Age
IOS1625_130	319	4.29	0.36120	0.00820	0.04996	0.00094	0.38924	313.2	6.3	314.2	5.7	290	52	314.2	5.7	0.3	Single Age
IOS1625_131	209	2.32	0.41600	0.01500	0.05490	0.00140	0.51503	351.0	11.0	344.1	8.5	371	67	344.1	8.5	2.0	Single Age
IOS1625_132	344	12.00	0.39630	0.00970	0.05076	0.00092	0.49616	338.0	7.0	319.1	5.6	450	48	319.1	5.6	5.6	Single Age
IOS1625_133	341	14.80	0.36600	0.01000	0.05030	0.00120	0.59435	315.9	7.7	316.5	7.6	297	53	316.5	7.6	0.2	Single Age
IOS1625_134	850	157.00	0.36970	0.00660	0.04951	0.00079	0.43861	319.1	4.9	311.5	4.8	361	40	311.5	4.8	2.4	Single Age

Table A3, con't.

IOS1625_135	132.3	3.30	0.37000	0.01300	0.04920	0.00130	0.50268	318.9	9.3	309.7	7.9	397	65	309.7	7.9	2.9	Single Age
IOS1625_136	811	25.00	0.30700	0.01100	0.04250	0.00140	0.51723	273.4	9.3	268.5	8.9	299	77	268.5	8.9	1.8	Rim
IOS1625_136	572	19.50	0.47000	0.01500	0.06010	0.00210	0.56828	391.0	10.0	376.0	13.0	446	73	376.0	13.0	3.8	Rim
IOS1625_136	261	7.61	0.73800	0.02900	0.08510	0.00250	0.53090	560.0	17.0	526.0	15.0	667	74	526.0	15.0	6.1	Core
IOS1625_137	496	13.03	0.48600	0.01400	0.06060	0.00140	0.59668	400.9	9.4	379.2	8.5	508	51	379.2	8.5	5.4	Single Age
IOS1625_138	356	2.99	0.38700	0.01000	0.05059	0.00057	0.26697	331.3	7.6	318.1	3.5	398	58	318.1	3.5	4.0	Single Age
IOS1625_139	1740	56.80	0.39260	0.00860	0.05082	0.00080	0.56811	336.1	6.3	319.5	4.9	434	41	319.5	4.9	4.9	Rim
IOS1625_139	357.7	1.75	1.06400	0.01800	0.11870	0.00200	0.45094	735.6	8.7	723.0	12.0	744	38	723.0	12.0	1.7	Core
IOS1625_140	620	1.81	0.95700	0.04200	0.11110	0.00520	0.89599	680.0	22.0	678.0	30.0	675	43	678.0	30.0	0.3	Rim
IOS1625_140	291	1.37	1.27000	0.02600	0.14230	0.00210	0.62991	831.0	12.0	858.0	12.0	736	34	858.0	12.0	3.2	Core
IOS1625_141	312	15.10	0.36880	0.00800	0.04929	0.00067	0.42122	318.1	6.0	310.1	4.1	342	44	310.1	4.1	2.5	Single Age

SAMPLE NAME: IOS1627

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1627_1	956	3.56	0.36360	0.00850	0.04960	0.00100	0.73952	314.2	6.3	311.8	6.2	327	34	311.8	6.2	0.8	Single Age
IOS1627_2	659	3.13	0.33870	0.00670	0.04553	0.00082	0.50853	296.4	5.2	286.9	5.1	382	38	286.9	5.1	3.2	Single Age
IOS1627_3	403	2.89	0.35300	0.01000	0.04850	0.00110	0.59446	306.7	7.3	304.9	6.9	305	46	304.9	6.9	0.6	Single Age
IOS1627_4	449	3.34	0.37210	0.00950	0.04973	0.00089	0.58719	321.2	7.1	312.8	5.5	370	45	312.8	5.5	2.6	Single Age
IOS1627_5	1254	2.84	0.36160	0.00770	0.04883	0.00095	0.70935	312.8	5.8	307.2	5.8	343	35	307.2	5.8	1.8	Single Age
IOS1627_6	1219	4.77	0.33360	0.00770	0.04580	0.00099	0.65921	291.7	5.9	288.6	6.1	332	41	288.6	6.1	1.1	Single Age
IOS1627_7	983	3.38	0.35530	0.00740	0.04894	0.00089	0.60145	308.2	5.5	308.0	5.5	306	39	308.0	5.5	0.1	Single Age
IOS1627_8	365	2.70	0.35600	0.01000	0.04770	0.00110	0.63381	308.0	7.7	300.3	7.0	368	51	300.3	7.0	2.5	Single Age
IOS1627_9	276	3.50	0.37000	0.01100	0.04980	0.00110	0.48245	319.9	8.0	312.9	7.0	350	58	312.9	7.0	2.2	Single Age
IOS1627_10	679	5.43	0.32270	0.00960	0.04320	0.00120	0.50649	283.0	7.3	272.6	7.1	386	59	272.6	7.1	3.7	Single Age

Table A3, con't.

IOS1627_11	1480	3.51	0.35790	0.00650	0.04886	0.00087	0.78363	310.3	4.9	307.4	5.3	334	28	307.4	5.3	0.9	Single Age
IOS1627_12	245.8	2.92	0.33230	0.00830	0.04571	0.00078	0.42575	290.6	6.3	288.1	4.8	324	51	288.1	4.8	0.9	Single Age
IOS1627_13	688	3.35	0.32100	0.00720	0.04556	0.00095	0.62051	282.1	5.6	287.1	5.8	257	41	287.1	5.8	1.8	Single Age
IOS1627_14	726	3.61	0.36100	0.01000	0.05010	0.00110	0.58663	313.3	7.2	314.9	7.0	293	49	314.9	7.0	0.5	Single Age
IOS1627_15	692	4.75	0.33930	0.00960	0.04680	0.00120	0.77977	296.8	7.4	294.4	7.3	297	44	294.4	7.3	0.8	Single Age
IOS1627_16	281	3.90	0.35420	0.00910	0.04878	0.00081	0.42717	307.0	6.9	307.0	5.0	304	52	307.0	5.0	0.0	Single Age
IOS1627_17	912	2.76	0.32160	0.00740	0.04245	0.00074	0.44670	282.6	5.6	268.0	4.6	418	42	268.0	4.6	5.2	Single Age
IOS1627_18	583	1.46	0.37160	0.00700	0.04982	0.00073	0.56411	320.4	5.2	313.4	4.5	373	35	313.4	4.5	2.2	Single Age
IOS1627_19	192.7	13.84	0.37000	0.01300	0.05060	0.00120	0.49092	319.1	9.4	318.1	7.7	322	66	318.1	7.7	0.3	Single Age
IOS1627_20	528	3.02	0.38290	0.00920	0.04876	0.00083	0.51930	328.3	6.7	306.8	5.1	483	47	306.8	5.1	6.5	Single Age
IOS1627_21	217	2.04	0.37800	0.01100	0.04538	0.00092	0.46553	324.8	7.8	286.0	5.7	603	55	DISC	DISC	11.9	Single Age
IOS1627_22	1130	2.69	0.34700	0.00800	0.04780	0.00100	0.72351	301.9	6.0	300.9	6.4	321	37	300.9	6.4	0.3	Single Age
IOS1627_23	648	2.85	0.35870	0.00900	0.04856	0.00088	0.66061	310.4	6.7	305.6	5.4	357	43	305.6	5.4	1.5	Single Age
IOS1627_24	401	2.74	0.47300	0.01900	0.05018	0.00097	0.32663	390.0	13.0	315.5	5.9	842	75	DISC	DISC	19.1	Single Age
IOS1627_25	617	5.26	0.35050	0.00840	0.04925	0.00092	0.59057	304.4	6.3	309.9	5.7	266	44	309.9	5.7	1.8	Single Age
IOS1627_26	676	3.60	0.34270	0.00760	0.04747	0.00080	0.55483	298.7	5.7	298.9	4.9	306	38	298.9	4.9	0.1	Single Age
IOS1627_27	981	3.61	0.34900	0.01000	0.04506	0.00099	0.21347	303.1	7.4	284.0	6.1	486	68	284.0	6.1	6.3	Single Age
IOS1627_28	708.3	3.78	0.36080	0.00710	0.04850	0.00075	0.57952	312.3	5.3	305.2	4.6	371	36	305.2	4.6	2.3	Single Age
IOS1627_29	1169	2.79	0.36630	0.00730	0.04955	0.00087	0.70438	316.4	5.4	311.7	5.3	361	34	311.7	5.3	1.5	Single Age
IOS1627_30	488	4.20	0.36880	0.00850	0.05034	0.00090	0.57311	318.1	6.3	316.5	5.5	332	44	316.5	5.5	0.5	Single Age
IOS1627_31	796	3.28	0.33040	0.00660	0.04545	0.00076	0.56250	289.4	5.0	286.5	4.7	340	39	286.5	4.7	1.0	Single Age
IOS1627_32	335	4.68	0.42800	0.02300	0.04810	0.00120	0.08336	358.0	15.0	302.7	7.6	700	110	DISC	DISC	15.4	Single Age
IOS1627_33	543	5.96	0.33250	0.00720	0.04593	0.00080	0.62927	290.9	5.5	289.4	5.0	329	38	289.4	5.0	0.5	Single Age
IOS1627_34	427	3.89	0.34880	0.00900	0.04790	0.00100	0.53926	303.0	6.7	301.7	6.2	325	50	301.7	6.2	0.4	Single Age
IOS1627_35	683	6.65	0.35770	0.00860	0.04824	0.00085	0.62800	309.7	6.4	303.6	5.2	348	38	303.6	5.2	2.0	Single Age

Table A3, con't.

IOS1627_36	340.9	1.52	0.33350	0.00760	0.04653	0.00079	0.45063	291.6	5.8	293.1	4.8	289	48	293.1	4.8	0.5	Single Age
IOS1627_37	355	1.33	0.35310	0.00830	0.04864	0.00087	0.53774	306.3	6.2	306.1	5.4	317	46	306.1	5.4	0.1	Single Age
IOS1627_38	400	1.31	0.35610	0.00860	0.04950	0.00096	0.50062	308.6	6.5	311.4	5.9	309	50	311.4	5.9	0.9	Single Age
IOS1627_39	513	2.42	0.94500	0.03400	0.05490	0.00130	0.56258	670.0	17.0	344.5	7.9	2003	53	DISC	DISC	48.6	Single Age
IOS1627_40	1130	3.89	0.36740	0.00990	0.05150	0.00130	0.69691	316.9	7.3	323.5	7.8	279	44	323.5	7.8	2.1	Single Age
IOS1627_41	501	6.43	0.36080	0.00840	0.04834	0.00086	0.66434	312.1	6.3	304.2	5.3	373	41	304.2	5.3	2.5	Single Age
IOS1627_42	249	1.48	0.36560	0.00970	0.04975	0.00086	0.46996	315.5	7.2	312.9	5.3	315	51	312.9	5.3	0.8	Single Age
IOS1627_43	628	3.55	0.32830	0.00960	0.04490	0.00110	0.63689	288.4	7.5	282.7	6.9	351	51	282.7	6.9	2.0	Single Age
IOS1627_44	608	2.65	0.43300	0.02000	0.04583	0.00081	0.33213	362.0	13.0	288.8	5.0	849	83	DISC	DISC	20.2	Single Age
IOS1627_45	504	2.64	1.11500	0.09200	0.04940	0.00190	0.55898	735.0	45.0	310.0	12.0	2330	140	DISC	DISC	57.8	Single Age
IOS1627_46	519	3.25	0.33270	0.00970	0.04800	0.00100	0.57924	292.0	7.1	302.2	6.3	208	49	302.2	6.3	3.5	Single Age
IOS1627_47	636	3.23	0.36480	0.00720	0.04621	0.00079	0.61916	316.1	5.5	291.1	4.9	499	41	291.1	4.9	7.9	Single Age
IOS1627_48	920	4.17	0.34920	0.00970	0.04800	0.00120	0.77612	303.5	7.3	302.0	7.3	335	38	302.0	7.3	0.5	Single Age
IOS1627_49	959	2.49	0.43800	0.01400	0.04697	0.00085	0.54650	366.8	9.7	295.8	5.2	809	57	DISC	DISC	19.4	Single Age
IOS1627_50	1240	3.17	0.33430	0.00710	0.04568	0.00078	0.61250	292.3	5.4	287.9	4.8	324	37	287.9	4.8	1.5	Single Age
IOS1627_51	388	3.60	0.35940	0.00930	0.04773	0.00091	0.52255	311.0	6.9	300.5	5.6	377	46	300.5	5.6	3.4	Single Age
IOS1627_53	772	2.82	0.33430	0.00700	0.04611	0.00088	0.65459	292.3	5.3	290.5	5.4	327	40	290.5	5.4	0.6	Single Age
IOS1627_54	1067	3.04	0.36350	0.00710	0.04902	0.00086	0.68613	314.3	5.3	308.4	5.3	349	34	308.4	5.3	1.9	Single Age
IOS1627_55	757	3.54	0.32150	0.00890	0.04530	0.00120	0.65575	282.2	6.9	285.6	7.2	264	46	285.6	7.2	1.2	Single Age
IOS1627_56	487	3.92	0.38090	0.00890	0.04650	0.00100	0.31063	327.1	6.5	292.8	6.2	554	53	DISC	DISC	10.5	Single Age
IOS1627_58	679	4.20	0.35550	0.00820	0.04784	0.00085	0.55875	308.2	6.1	301.1	5.2	339	44	301.1	5.2	2.3	Single Age
IOS1627_59	1086	3.11	0.35860	0.00780	0.04642	0.00083	0.60743	310.6	5.8	292.4	5.1	435	40	292.4	5.1	5.9	Single Age
IOS1627_60	570	3.24	0.40100	0.01400	0.04740	0.00100	0.47783	340.3	9.9	298.3	6.3	597	67	DISC	DISC	12.3	Single Age
IOS1627_61	396	6.08	0.35700	0.01100	0.04760	0.00130	0.45567	309.2	8.1	299.8	7.9	353	59	299.8	7.9	3.0	Single Age
IOS1627_62	743	5.04	0.34780	0.00870	0.04730	0.00100	0.63495	302.3	6.5	297.6	6.1	310	41	297.6	6.1	1.6	Single Age

Table A3, con't.

IOS1627_63	811	4.18	0.34470	0.00780	0.04780	0.00110	0.69273	300.0	5.9	300.9	6.6	280	39	300.9	6.6	0.3	Single Age
IOS1627_64	718	3.56	0.43700	0.01900	0.04440	0.00078	0.41467	365.0	13.0	280.0	4.8	900	72	DISC	DISC	23.3	Single Age
IOS1627_65	635	3.46	0.33170	0.00840	0.04521	0.00086	0.62114	290.2	6.3	285.0	5.3	318	45	285.0	5.3	1.8	Single Age
IOS1627_66	404	5.32	0.35890	0.00840	0.04870	0.00080	0.50479	310.7	6.3	306.5	4.9	306	46	306.5	4.9	1.4	Single Age
IOS1627_67	114.8	4.92	5.71000	0.22000	0.10090	0.00270	0.77040	1917.0	33.0	619.0	16.0	3917	37	DISC	DISC	67.7	Single Age
IOS1627_69	856	3.41	0.33440	0.00760	0.04590	0.00100	0.70579	292.3	5.8	289.3	6.3	304	39	289.3	6.3	1.0	Single Age
IOS1627_70	748	3.87	0.32920	0.00800	0.04519	0.00096	0.75819	288.3	6.1	284.8	5.9	309	33	284.8	5.9	1.2	Single Age
IOS1627_71	591	2.78	0.35340	0.00800	0.04756	0.00083	0.54262	306.6	5.9	299.4	5.1	338	43	299.4	5.1	2.3	Single Age
IOS1627_72	798	3.24	0.32880	0.00730	0.04453	0.00089	0.70720	288.1	5.6	280.8	5.5	340	36	280.8	5.5	2.5	Single Age
IOS1627_73	727	2.61	0.32430	0.00600	0.04402	0.00069	0.60591	284.8	4.6	277.6	4.3	335	34	277.6	4.3	2.5	Single Age
IOS1627_75	880	3.23	0.32750	0.00660	0.04482	0.00077	0.58802	287.2	5.1	282.6	4.7	318	35	282.6	4.7	1.6	Single Age
IOS1627_76	705	3.61	0.33420	0.00900	0.04319	0.00078	0.44761	292.2	6.9	272.5	4.8	448	51	272.5	4.8	6.7	Single Age
IOS1627_77	321	4.09	0.35720	0.00940	0.04855	0.00095	0.46305	309.2	6.9	305.5	5.8	321	53	305.5	5.8	1.2	Single Age
IOS1627_78	716	2.29	0.52400	0.03100	0.05100	0.00110	0.59976	422.0	20.0	320.7	6.9	958	96	DISC	DISC	24.0	Single Age
IOS1627_79	368	3.89	0.37350	0.00920	0.05002	0.00084	0.44417	321.4	6.7	314.6	5.2	345	42	314.6	5.2	2.1	Single Age
IOS1627_80	761	3.84	0.35070	0.00720	0.04847	0.00086	0.61976	304.7	5.4	305.0	5.3	303	40	305.0	5.3	0.1	Single Age
IOS1627_81	853	3.84	0.35590	0.00720	0.04836	0.00083	0.59527	308.6	5.3	304.4	5.1	328	37	304.4	5.1	1.4	Single Age
IOS1627_82	894	3.42	0.35390	0.00860	0.04681	0.00085	0.61054	306.9	6.5	294.8	5.2	384	44	294.8	5.2	3.9	Single Age
IOS1627_83	674	5.01	0.33340	0.00790	0.04563	0.00097	0.55911	291.6	6.0	287.5	6.0	308	47	287.5	6.0	1.4	Single Age
IOS1627_84	1109	2.96	0.35500	0.00980	0.04880	0.00120	0.75858	307.6	7.3	306.8	7.2	302	41	306.8	7.2	0.3	Single Age
IOS1627_85	589.5	3.48	0.35540	0.00680	0.04899	0.00092	0.58603	308.3	5.1	308.3	5.6	312	38	308.3	5.6	0.0	Single Age
IOS1627_86	1121	5.24	0.35830	0.00820	0.04730	0.00095	0.56404	310.4	6.1	297.8	5.8	396	43	297.8	5.8	4.1	Single Age
IOS1627_87	573	0.64	0.42300	0.01900	0.04820	0.00110	0.32025	355.0	13.0	303.3	6.8	676	84	DISC	DISC	14.6	Single Age
IOS1627_88	603	3.80	0.35200	0.00750	0.04802	0.00082	0.50776	305.6	5.6	302.3	5.1	317	43	302.3	5.1	1.1	Single Age
IOS1627_89	301.1	1.37	0.35220	0.00800	0.04873	0.00093	0.46710	305.7	6.0	306.6	5.7	297	46	306.6	5.7	0.3	Single Age

Table A3, con't.

IOS1627_90	663	3.23	0.37400	0.01200	0.04822	0.00098	0.61623	321.5	8.9	303.5	6.0	437	50	303.5	6.0	5.6	Single Age
IOS1627_91	937	3.66	0.35210	0.00780	0.04866	0.00093	0.61266	305.6	5.9	306.2	5.7	304	40	306.2	5.7	0.2	Single Age
IOS1627_92	848	3.12	0.35170	0.00700	0.04710	0.00090	0.54960	305.5	5.2	296.6	5.6	374	42	296.6	5.6	2.9	Single Age
IOS1627_93	531	3.50	0.34800	0.01100	0.04680	0.00130	0.57005	301.9	8.2	294.5	8.0	355	58	294.5	8.0	2.5	Single Age
IOS1627_94	936	2.77	0.32150	0.00670	0.04364	0.00070	0.57290	282.6	5.1	275.3	4.4	340	39	275.3	4.4	2.6	Single Age
IOS1627_95	867	4.61	0.32320	0.00740	0.04483	0.00092	0.60018	283.8	5.7	282.6	5.7	301	43	282.6	5.7	0.4	Single Age
IOS1627_96	501	3.40	0.34180	0.00820	0.04676	0.00080	0.38977	298.6	6.4	294.5	4.9	328	51	294.5	4.9	1.4	Single Age
IOS1627_97	1572	6.67	0.31980	0.00670	0.04376	0.00084	0.74246	281.3	5.1	276.0	5.2	332	32	276.0	5.2	1.9	Single Age
IOS1627_98	722	5.78	0.34790	0.00740	0.04840	0.00100	0.67913	302.6	5.6	304.7	6.4	289	38	304.7	6.4	0.7	Single Age
IOS1627_99	642	4.21	0.35380	0.00960	0.04800	0.00120	0.64418	306.6	7.2	301.9	7.2	345	48	301.9	7.2	1.5	Single Age
IOS1627_100	314.1	5.62	0.40700	0.01600	0.04631	0.00097	0.45389	344.0	12.0	291.7	6.0	673	68	DISC	DISC	15.2	Single Age
IOS1627_101	642	5.70	0.35010	0.00870	0.04835	0.00079	0.59282	304.0	6.5	304.3	4.9	293	43	304.3	4.9	0.1	Single Age
IOS1627_102	742	2.19	0.56200	0.02800	0.04630	0.00110	0.23045	447.0	18.0	291.7	6.8	1333	87	DISC	DISC	34.7	Single Age
IOS1627_103	927	3.52	0.34410	0.00750	0.04808	0.00098	0.61080	299.7	5.6	302.6	6.0	269	39	302.6	6.0	1.0	Single Age
IOS1627_104	569	3.08	0.35600	0.00810	0.04881	0.00092	0.49806	309.3	6.1	307.1	5.6	320	45	307.1	5.6	0.7	Single Age
IOS1627_105	822	4.72	0.35230	0.00880	0.04670	0.00120	0.66283	305.6	6.6	294.2	7.2	391	42	294.2	7.2	3.7	Single Age
IOS1627_107	395	3.61	0.34280	0.00860	0.04740	0.00100	0.48427	298.5	6.5	298.3	6.3	291	50	298.3	6.3	0.1	Single Age
IOS1627_108	156	3.09	0.42500	0.02100	0.04900	0.00120	0.37090	356.0	15.0	308.3	7.3	642	84	DISC	DISC	13.4	Single Age
IOS1627_109	464	1.91	0.33500	0.01100	0.04420	0.00110	0.63435	291.9	8.3	278.7	6.8	389	53	278.7	6.8	4.5	Single Age
IOS1627_110	202	5.20	0.36400	0.01300	0.04990	0.00120	0.44408	313.5	9.3	314.0	7.3	293	65	314.0	7.3	0.2	Single Age
IOS1627_111	483	3.35	0.34510	0.00920	0.04750	0.00100	0.62236	300.3	6.9	299.1	6.3	299	50	299.1	6.3	0.4	Single Age
IOS1627_112	626	2.65	0.35140	0.00750	0.04836	0.00078	0.54996	305.3	5.6	304.4	4.8	303	39	304.4	4.8	0.3	Single Age
IOS1627_113	979	3.21	0.33590	0.00720	0.04561	0.00093	0.56875	293.5	5.4	287.4	5.7	345	42	287.4	5.7	2.1	Single Age
IOS1627_114	758	2.97	0.35080	0.00710	0.04854	0.00078	0.66542	304.8	5.3	305.5	4.8	298	34	305.5	4.8	0.2	Single Age
IOS1627_115	903	4.17	0.38800	0.01000	0.04810	0.00100	0.33788	331.6	7.6	302.6	6.2	528	52	302.6	6.2	8.7	Single Age

Table A3, con't.

IOS1627_116	366	2.69	0.74800	0.04700	0.04960	0.00150	0.48749	558.0	26.0	312.0	9.3	1695	96	DISC	DISC	44.1	Single Age
IOS1627_117	721	5.41	0.41200	0.01500	0.04890	0.00100	0.46640	348.0	11.0	307.4	6.4	610	67	DISC	DISC	11.7	Single Age
IOS1627_118	625	3.39	0.36900	0.02800	0.03483	0.00070	0.13186	316.0	20.0	220.7	4.4	1040	150	DISC	DISC	30.2	Rim
IOS1627_118	160.7	1.35	0.50800	0.03900	0.04560	0.00160	0.46569	419.0	28.0	287.0	10.0	1220	140	DISC	DISC	31.5	Core
IOS1627_119	353.6	6.27	0.37600	0.01200	0.04870	0.00097	0.42815	322.7	8.6	306.4	6.0	422	62	306.4	6.0	5.1	Single Age
IOS1627_120	707	4.25	0.34780	0.00710	0.04781	0.00066	0.61233	302.5	5.3	301.0	4.1	309	35	301.0	4.1	0.5	Single Age
IOS1627_121	563	4.10	0.35640	0.00930	0.04768	0.00082	0.49796	308.7	6.9	300.2	5.1	369	52	300.2	5.1	2.8	Single Age
IOS1627_122	768	3.33	0.36520	0.00730	0.04990	0.00098	0.68449	315.5	5.4	313.8	6.0	334	35	313.8	6.0	0.5	Single Age
IOS1627_123	560	4.74	0.36790	0.00900	0.04710	0.00110	0.54471	318.2	6.8	296.5	6.5	489	48	296.5	6.5	6.8	Single Age
IOS1627_124	906	2.92	0.33300	0.00690	0.04664	0.00086	0.72714	291.4	5.2	293.8	5.3	281	33	293.8	5.3	0.8	Single Age
IOS1627_125	599	3.28	0.35630	0.00750	0.04831	0.00084	0.47265	308.9	5.6	304.1	5.2	351	42	304.1	5.2	1.6	Single Age
IOS1627_126	410	4.91	0.38600	0.01000	0.04980	0.00110	0.49357	331.6	7.5	312.9	6.7	475	56	312.9	6.7	5.6	Single Age
IOS1627_127	547	3.11	0.36030	0.00880	0.04981	0.00087	0.53710	313.7	7.0	313.3	5.4	296	45	313.3	5.4	0.1	Single Age
IOS1627_128	961	0.85	0.53600	0.03100	0.04900	0.00100	0.48347	429.0	20.0	308.2	6.3	1070	100	DISC	DISC	28.2	Single Age
IOS1627_129	996	3.39	0.35270	0.00750	0.04900	0.00091	0.68851	306.2	5.6	308.3	5.6	293	28	308.3	5.6	0.7	Single Age
IOS1627_130	389	2.39	0.36010	0.00800	0.04924	0.00063	0.48768	311.6	5.9	309.8	3.8	312	42	309.8	3.8	0.6	Single Age
IOS1627_131	976	3.38	0.34350	0.00820	0.04800	0.00120	0.72119	300.0	6.3	301.9	7.2	290	40	301.9	7.2	0.6	Single Age
IOS1627_132	550	3.32	0.34900	0.00970	0.04690	0.00100	0.69126	304.0	7.0	295.5	6.4	369	45	295.5	6.4	2.8	Single Age
IOS1627_133	538	4.89	0.35630	0.00920	0.04770	0.00110	0.56268	309.6	7.0	300.3	6.8	377	50	300.3	6.8	3.0	Single Age
IOS1627_135	700	8.45	0.31160	0.00750	0.04324	0.00094	0.55554	274.9	5.8	272.8	5.8	310	47	272.8	5.8	0.8	Single Age
IOS1627_136	603	2.54	0.33100	0.00780	0.04540	0.00110	0.53657	289.7	5.9	285.8	6.6	337	50	285.8	6.6	1.3	Single Age
IOS1627_137	602	2.63	0.62500	0.05500	0.05060	0.00130	0.47047	478.0	33.0	318.2	8.0	1160	140	DISC	DISC	33.4	Single Age
IOS1627_138	666	2.40	0.36580	0.00730	0.05035	0.00086	0.38822	316.0	5.4	316.6	5.3	308	45	316.6	5.3	0.2	Single Age
IOS1627_139	1017	2.12	0.34490	0.00740	0.04476	0.00085	0.65823	300.3	5.6	282.2	5.2	441	36	282.2	5.2	6.0	Single Age
IOS1627_140	712	1.96	0.34740	0.00800	0.04780	0.00100	0.47406	302.1	6.0	301.2	6.1	306	50	301.2	6.1	0.3	Single Age

Table A3, con't.

IOS1627_201	359.3	1.09	0.36440	0.00730	0.05057	0.00058	0.36268	315.0	5.4	318.0	3.6	307	43	318.0	3.6	1.0	Single Age
IOS1627_202	835	4.68	0.35970	0.00550	0.04953	0.00047	0.50139	311.7	4.1	311.6	2.9	328	30	311.6	2.9	0.0	Single Age
IOS1627_203	862	1.85	0.36940	0.00780	0.05114	0.00073	0.34418	318.6	5.7	321.4	4.5	320	42	321.4	4.5	0.9	Single Age
IOS1627_204	1037	2.63	0.33670	0.00670	0.04713	0.00046	0.38550	294.5	5.1	296.9	2.8	294	45	296.9	2.8	0.8	Single Age
IOS1627_205	431	2.47	0.30940	0.00610	0.04287	0.00050	0.05157	273.6	4.8	270.6	3.1	314	51	270.6	3.1	1.1	Rim
IOS1627_205	466	3.40	0.43900	0.01800	0.04820	0.00160	0.50879	369.0	12.0	303.2	9.9	822	76	DISC	DISC	17.8	Core
IOS1627_206	503	3.24	0.36860	0.00760	0.04978	0.00050	0.33003	318.0	5.6	313.2	3.1	365	43	313.2	3.1	1.5	Single Age
IOS1627_207	754	3.69	0.33630	0.00570	0.04629	0.00061	0.57235	294.0	4.3	291.7	3.8	322	33	291.7	3.8	0.8	Single Age
IOS1627_208	829	3.80	0.36210	0.00570	0.05076	0.00058	0.45290	314.0	4.3	319.2	3.5	297	33	319.2	3.5	1.7	Single Age
IOS1627_209	1566	7.55	0.34990	0.00680	0.04831	0.00075	0.69863	304.3	5.1	304.1	4.6	324	32	304.1	4.6	0.1	Rim
IOS1627_209	1296	5.44	0.39600	0.01300	0.05470	0.00130	0.67723	338.3	9.1	343.3	8.1	322	52	343.3	8.1	1.5	Core
IOS1627_210	564	4.07	0.39170	0.00630	0.05132	0.00052	0.44970	335.9	4.7	322.6	3.2	459	39	322.6	3.2	4.0	Single Age
IOS1627_211	325	2.61	0.33400	0.02300	0.04200	0.00120	0.45247	292.0	18.0	265.0	7.7	520	130	265.0	7.7	9.2	Rim
IOS1627_211	972	3.92	0.36640	0.00420	0.05084	0.00042	0.30747	316.8	3.1	319.7	2.6	318	27	319.7	2.6	0.9	Core
IOS1627_212	224.7	1.41	0.36400	0.01000	0.05019	0.00066	0.18083	314.0	7.6	315.6	4.1	315	61	315.6	4.1	0.5	Single Age
IOS1627_213	564	3.62	0.36760	0.00830	0.05097	0.00060	0.26780	317.5	6.2	320.5	3.7	312	50	320.5	3.7	0.9	Single Age
IOS1627_214	938	3.12	0.36890	0.00640	0.05018	0.00060	0.30357	318.6	4.8	315.6	3.7	357	40	315.6	3.7	0.9	Single Age
IOS1627_215	931	2.56	0.33630	0.00640	0.04644	0.00038	0.33404	294.2	4.9	292.6	2.3	318	41	292.6	2.3	0.5	Single Age
IOS1627_216	133.4	5.95	0.39700	0.01500	0.05102	0.00086	0.10490	338.0	11.0	320.7	5.3	468	88	320.7	5.3	5.1	Single Age
IOS1627_217	419	3.84	0.36860	0.00910	0.05038	0.00067	0.35834	318.0	6.8	316.8	4.1	344	52	316.8	4.1	0.4	Single Age
IOS1627_218	742	3.61	0.37180	0.00680	0.04955	0.00041	0.26301	320.7	5.0	311.8	2.5	396	39	311.8	2.5	2.8	Single Age
IOS1627_219	569.3	3.42	0.42800	0.01400	0.05104	0.00087	0.33869	360.1	9.6	320.8	5.3	618	65	DISC	DISC	10.9	Single Age
IOS1627_220	1087	3.04	0.36270	0.00520	0.05058	0.00081	0.31235	314.0	3.9	318.0	5.0	303	40	318.0	5.0	1.3	Single Age
IOS1627_221	620	7.50	0.35900	0.01300	0.04952	0.00094	0.37015	311.2	9.5	311.5	5.8	332	77	311.5	5.8	0.1	Rim
IOS1627_221	589	4.30	0.37350	0.00780	0.05131	0.00068	0.47436	321.8	5.8	322.5	4.1	335	43	322.5	4.1	0.2	Core
IOS1627_222	779	3.81	0.38130	0.00660	0.05246	0.00058	0.38423	327.6	4.8	329.5	3.5	326	37	329.5	3.5	0.6	Single Age

Table A3, con't.

IOS1627_223	537	3.80	0.47200	0.01900	0.05240	0.00120	0.29644	390.0	13.0	330.3	7.4	772	80	DISC	DISC	15.3	Single Age
IOS1627_224	700	3.30	0.37050	0.00720	0.05081	0.00073	0.44163	319.5	5.4	319.4	4.4	334	41	319.4	4.4	0.0	Single Age
IOS1627_225	199	2.16	0.32500	0.02200	0.04530	0.00160	0.33805	285.0	17.0	285.7	9.8	270	140	285.7	9.8	0.2	Rim
IOS1627_225	951	4.12	0.37250	0.00720	0.05254	0.00079	0.66844	321.1	5.3	330.1	4.9	272	33	330.1	4.9	2.8	Core
IOS1627_226	663	3.88	0.38110	0.00590	0.05027	0.00040	0.17027	328.1	4.4	316.1	2.5	425	38	316.1	2.5	3.7	Single Age
IOS1627_227	260.5	1.33	0.36880	0.00900	0.05045	0.00065	0.36158	318.0	6.7	317.2	4.0	327	50	317.2	4.0	0.3	Single Age
IOS1627_228	432	2.28	0.38980	0.00950	0.05034	0.00049	0.17261	333.3	6.9	316.6	3.0	451	53	316.6	3.0	5.0	Single Age
IOS1627_229	852	3.84	0.36690	0.00640	0.04991	0.00071	0.42386	317.0	4.8	313.9	4.4	347	39	313.9	4.4	1.0	Single Age
IOS1627_230	359	1.79	0.36640	0.00820	0.05184	0.00073	0.31225	316.3	6.0	325.7	4.5	254	48	325.7	4.5	3.0	Single Age

SAMPLE NAME: IOS1628

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age Ma**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1628_1	272	2.05	0.37870	0.00610	0.05187	0.00048	0.22374	326.2	4.4	326.0	3.0	308	37	326.0	3.0	0.1	Single Age
IOS1628_2	687	4.33	0.37540	0.00730	0.05065	0.00085	0.61688	323.1	5.4	318.4	5.2	341	35	318.4	5.2	1.5	Single Age
IOS1628_3	154.1	1.81	0.38310	0.00940	0.05019	0.00057	0.34725	328.4	6.8	315.7	3.5	390	50	315.7	3.5	3.9	Single Age
IOS1628_4	274	3.26	0.38490	0.00720	0.05268	0.00055	0.27695	330.8	5.2	330.9	3.4	294	43	330.9	3.4	0.0	Single Age
IOS1628_5	611	3.21	0.37070	0.00530	0.05139	0.00065	0.64377	319.9	4.0	323.0	4.0	281	28	323.0	4.0	1.0	Single Age
IOS1628_6	229	7.90	0.40300	0.01000	0.05112	0.00048	0.11517	342.4	7.4	321.4	3.0	455	56	321.4	3.0	6.1	Single Age
IOS1628_7	660	3.90	0.38650	0.00510	0.05093	0.00064	0.41352	331.6	3.8	320.2	4.0	380	33	320.2	4.0	3.4	Single Age
IOS1628_8	142.3	6.41	0.37770	0.00910	0.05081	0.00086	0.38852	325.3	6.9	319.4	5.3	354	52	319.4	5.3	1.8	Single Age
IOS1628_9	136	2.34	0.37190	0.00840	0.04992	0.00058	0.24625	320.3	6.2	314.0	3.6	344	49	314.0	3.6	2.0	Single Age
IOS1628_10	310	6.81	0.36130	0.00720	0.04990	0.00070	0.52501	312.6	5.3	313.9	4.3	287	38	313.9	4.3	0.4	Single Age
IOS1628_11	107.6	1.74	0.35960	0.00830	0.04994	0.00057	0.34806	311.2	6.2	314.1	3.5	282	49	314.1	3.5	0.9	Single Age
IOS1628_12	237	2.15	0.41100	0.01500	0.04980	0.00120	0.49397	348.0	10.0	313.0	7.5	572	73	DISC	DISC	10.1	Single Age

Table A3, con't.

IOS1628_13	455	3.18	0.37670	0.00820	0.05269	0.00068	0.22026	323.9	6.1	331.0	4.2	259	47	331.0	4.2	2.2	Single Age
IOS1628_14	388	7.70	0.37990	0.00820	0.05169	0.00079	0.55220	327.0	5.9	324.8	4.8	328	41	324.8	4.8	0.7	Single Age
IOS1628_15	554	28.10	0.36330	0.00530	0.05004	0.00064	0.46010	314.4	3.9	314.7	3.9	307	32	314.7	3.9	0.1	Single Age
IOS1628_16	398.8	2.02	0.37130	0.00550	0.05141	0.00048	0.44720	320.3	4.1	323.1	2.9	283	31	323.1	2.9	0.9	Single Age
IOS1628_17	378	1.48	0.37730	0.00550	0.05123	0.00065	0.38084	325.3	4.0	322.0	4.0	354	34	322.0	4.0	1.0	Single Age
IOS1628_18	370	5.43	0.36220	0.00600	0.04992	0.00044	0.40644	313.4	4.5	314.0	2.7	305	34	314.0	2.7	0.2	Single Age
IOS1628_19	287	10.80	0.36650	0.00900	0.04986	0.00092	0.30636	316.2	6.6	313.6	5.7	327	55	313.6	5.7	0.8	Single Age
IOS1628_20	531	3.37	0.36520	0.00410	0.05086	0.00045	0.28611	315.9	3.0	319.8	2.8	292	28	319.8	2.8	1.2	Single Age
IOS1628_21	162	3.13	0.36850	0.00720	0.05031	0.00053	0.31589	318.0	5.3	316.4	3.3	335	44	316.4	3.3	0.5	Single Age
IOS1628_22	207.5	4.78	0.40400	0.01300	0.05350	0.00160	0.43725	344.0	9.3	335.9	9.6	412	66	335.9	9.6	2.4	Single Age
IOS1628_23	198	4.28	0.36700	0.01000	0.05100	0.00120	0.55645	316.2	7.6	320.7	7.2	285	52	320.7	7.2	1.4	Single Age
IOS1628_24	286	8.07	0.37890	0.00730	0.05053	0.00062	0.32460	325.7	5.4	317.7	3.8	381	40	317.7	3.8	2.5	Single Age
IOS1628_25	197	3.20	0.35950	0.00720	0.04959	0.00058	0.36584	312.0	5.5	312.0	3.6	307	43	312.0	3.6	0.0	Single Age
IOS1628_26	657	16.80	0.35150	0.00530	0.04905	0.00062	0.32419	306.0	4.0	308.6	3.8	283	35	308.6	3.8	0.8	Single Age
IOS1628_27	535	7.30	0.30500	0.01200	0.04261	0.00086	0.27748	270.4	9.3	269.0	5.3	407	92	269.0	5.3	0.5	Rim
IOS1628_27	1066	3.96	0.38110	0.00510	0.05245	0.00050	0.42289	327.6	3.7	329.5	3.1	302	29	329.5	3.1	0.6	Core
IOS1628_28	408	11.30	0.36500	0.00510	0.05046	0.00045	0.33825	315.6	3.8	317.3	2.8	302	30	317.3	2.8	0.5	Single Age
IOS1628_29	286.5	1.88	0.35460	0.00590	0.04929	0.00051	0.32085	307.8	4.4	310.2	3.1	287	36	310.2	3.1	0.8	Single Age
IOS1628_30	257	3.39	0.42600	0.01200	0.04916	0.00061	0.24286	359.1	8.5	309.3	3.7	691	58	DISC	DISC	13.9	Single Age
IOS1628_31	490	10.30	0.30700	0.02800	0.04370	0.00330	0.88595	272.0	22.0	276.0	20.0	340	100	276.0	20.0	1.5	Rim
IOS1628_31	274	4.31	0.36990	0.00670	0.05066	0.00048	0.31868	319.2	5.0	318.6	2.9	324	39	318.6	2.9	0.2	Core
IOS1628_32	121.8	3.71	0.38400	0.00950	0.04939	0.00065	0.34384	330.1	7.2	310.8	4.0	475	54	310.8	4.0	5.8	Single Age
IOS1628_33	481	3.11	0.37540	0.00680	0.05204	0.00060	0.41869	323.2	5.1	327.0	3.6	291	38	327.0	3.6	1.2	Single Age
IOS1628_34	173	2.32	0.36690	0.00800	0.05063	0.00061	0.06678	318.1	5.7	318.4	3.7	311	52	318.4	3.7	0.1	Single Age
IOS1628_35	246	2.19	0.37520	0.00700	0.05148	0.00048	0.24431	323.0	5.1	323.6	2.9	311	39	323.6	2.9	0.2	Single Age

Table A3, con’t.

IOS1628_36	97.8	1.41	0.38500	0.01000	0.05218	0.00060	0.41160	329.9	7.3	327.9	3.7	350	54	327.9	3.7	0.6	Single Age
IOS1628_37	331	2.02	0.36960	0.00850	0.05059	0.00082	0.04304	318.6	6.0	318.0	5.0	314	37	318.0	5.0	0.2	Single Age
IOS1628_38	534	26.02	0.35660	0.00510	0.05006	0.00043	0.42940	309.4	3.8	314.9	2.6	277	30	314.9	2.6	1.8	Single Age
IOS1628_39	418	4.61	0.35980	0.00490	0.05002	0.00047	0.12766	311.8	3.7	314.6	2.9	303	30	314.6	2.9	0.9	Single Age
IOS1628_40	582	4.22	0.31100	0.00480	0.04684	0.00055	0.41898	274.7	3.7	295.1	3.4	301	33	295.1	3.4	7.4	Single Age
IOS1628_41	298	1.48	0.37660	0.00690	0.05120	0.00047	0.17988	324.1	5.1	321.8	2.9	337	41	321.8	2.9	0.7	Single Age
IOS1628_42	353	1.97	0.38840	0.00560	0.05343	0.00054	0.32819	332.9	4.1	335.5	3.3	317	34	335.5	3.3	0.8	Single Age
IOS1628_43	1550	9.12	0.30060	0.00300	0.04476	0.00041	0.64119	266.7	2.3	282.2	2.5	312	18	282.2	2.5	5.8	Single Age
IOS1628_44	930	3.41	0.38020	0.00510	0.05194	0.00046	0.49346	326.9	3.8	326.4	2.8	323	30	326.4	2.8	0.2	Single Age
IOS1628_45	228	1.87	0.37390	0.00620	0.05112	0.00053	0.25003	322.7	4.7	321.4	3.3	325	39	321.4	3.3	0.4	Single Age
IOS1628_46	725	9.30	0.37720	0.00500	0.05136	0.00044	0.40002	324.7	3.7	322.9	2.7	305	30	322.9	2.7	0.6	Single Age
IOS1628_47	298	2.87	0.36360	0.00670	0.05004	0.00055	0.35550	314.4	5.0	314.8	3.4	292	39	314.8	3.4	0.1	Single Age
IOS1628_48	240	2.27	0.36510	0.00640	0.05070	0.00040	0.12749	316.2	4.9	318.8	2.5	274	41	318.8	2.5	0.8	Single Age
IOS1628_49	398	5.62	0.39260	0.00650	0.05381	0.00051	0.41891	335.8	4.8	337.8	3.1	317	35	337.8	3.1	0.6	Single Age
IOS1628_50	536	2.46	0.30440	0.00460	0.04518	0.00060	0.52364	269.6	3.6	284.8	3.7	296	32	284.8	3.7	5.6	Single Age
IOS1628_51	408	2.88	0.38680	0.00690	0.05311	0.00040	0.38270	331.5	5.0	333.5	2.5	299	37	333.5	2.5	0.6	Single Age
IOS1628_52	368	1.82	0.37160	0.00610	0.05057	0.00047	0.52644	320.5	4.5	318.0	2.9	312	31	318.0	2.9	0.8	Single Age
IOS1628_53	319.9	3.31	0.36970	0.00500	0.05043	0.00039	0.21224	319.2	3.7	317.1	2.4	311	32	317.1	2.4	0.7	Single Age
IOS1628_54	431	8.40	0.37890	0.00580	0.05171	0.00055	0.35233	325.9	4.3	325.0	3.4	305	33	325.0	3.4	0.3	Single Age
IOS1628_55	372	1.73	0.36100	0.00510	0.05015	0.00043	0.30025	312.7	3.8	315.4	2.6	277	32	315.4	2.6	0.9	Single Age
IOS1628_56	278	1.32	0.36720	0.00620	0.05072	0.00051	0.43880	317.2	4.6	318.9	3.1	298	35	318.9	3.1	0.5	Single Age
IOS1628_57	137.3	2.20	0.36930	0.00790	0.05044	0.00042	0.04564	319.2	6.0	317.2	2.6	327	50	317.2	2.6	0.6	Single Age
IOS1628_58	1030	8.80	0.36650	0.00480	0.05075	0.00049	0.50375	316.8	3.6	319.1	3.0	300	27	319.1	3.0	0.7	Single Age
IOS1628_59	178.6	1.93	0.38630	0.00700	0.05160	0.00043	0.12972	331.1	5.1	324.3	2.6	373	41	324.3	2.6	2.1	Single Age
IOS1628_60	317	1.72	0.37390	0.00630	0.05139	0.00050	0.36864	322.8	4.8	323.1	3.1	331	37	323.1	3.1	0.1	Single Age

Table A3, con't.

IOS1628_61	190	2.68	0.37570	0.00810	0.05244	0.00068	0.67658	323.2	6.0	329.5	4.1	286	38	329.5	4.1	1.9	Single Age
IOS1628_62	307.7	1.74	0.36890	0.00610	0.05108	0.00052	0.37282	318.5	4.5	321.1	3.2	302	34	321.1	3.2	0.8	Single Age
IOS1628_63	247	2.76	0.36820	0.00760	0.05081	0.00053	0.35416	317.7	5.6	319.4	3.2	319	40	319.4	3.2	0.5	Single Age
IOS1628_64	364	5.13	0.37120	0.00570	0.05116	0.00049	0.38366	320.2	4.2	321.6	3.0	331	31	321.6	3.0	0.4	Single Age
IOS1628_65	432	4.52	0.36870	0.00490	0.05147	0.00047	0.22337	318.4	3.6	323.5	2.9	297	32	323.5	2.9	1.6	Single Age
IOS1628_66	287	1.83	0.36320	0.00480	0.05031	0.00035	0.28947	314.4	3.6	316.4	2.1	310	30	316.4	2.1	0.6	Single Age
IOS1628_67	316	4.04	0.35470	0.00560	0.04990	0.00042	0.26266	307.9	4.2	313.9	2.6	285	36	313.9	2.6	1.9	Single Age
IOS1628_68	157	2.27	0.37530	0.00840	0.05202	0.00059	0.16923	323.6	6.1	326.9	3.6	305	49	326.9	3.6	1.0	Single Age
IOS1628_69	239	2.45	0.37060	0.00670	0.05148	0.00046	0.26900	319.6	4.9	323.6	2.8	297	39	323.6	2.8	1.3	Single Age
IOS1628_70	584	3.38	0.38500	0.00560	0.05314	0.00061	0.59766	330.4	4.1	333.7	3.7	306	28	333.7	3.7	1.0	Single Age
IOS1628_71	1130	8.69	0.29730	0.00410	0.04443	0.00052	0.57312	264.1	3.2	280.2	3.2	300	25	280.2	3.2	6.1	Single Age
IOS1628_72	406	2.07	0.37190	0.00620	0.05057	0.00045	0.24502	320.7	4.6	318.0	2.8	334	38	318.0	2.8	0.8	Single Age
IOS1628_73	259	1.41	0.36480	0.00640	0.05099	0.00041	0.16590	315.4	4.8	320.6	2.5	278	40	320.6	2.5	1.6	Single Age
IOS1628_74	253	4.14	0.38720	0.00710	0.05255	0.00068	0.34505	332.4	5.3	330.1	4.1	356	41	330.1	4.1	0.7	Single Age
IOS1628_75	722	5.23	0.41300	0.01700	0.05107	0.00048	0.47202	348.0	11.0	321.1	3.0	492	68	321.1	3.0	7.7	Single Age
IOS1628_76	112.1	2.55	0.56500	0.02900	0.05217	0.00057	0.32196	451.0	18.0	327.8	3.5	1065	94	DISC	DISC	27.3	Single Age
IOS1628_77	407	4.47	0.36990	0.00590	0.05165	0.00063	0.45198	319.2	4.4	324.6	3.9	279	32	324.6	3.9	1.7	Single Age
IOS1628_78	512	12.04	0.46100	0.02500	0.05114	0.00092	0.29301	383.0	17.0	321.5	5.6	727	94	DISC	DISC	16.1	Single Age
IOS1628_79	186	2.56	0.38000	0.01100	0.05120	0.00100	0.43743	326.9	8.0	322.0	6.4	365	58	322.0	6.4	1.5	Single Age
IOS1628_80	283	4.93	0.37620	0.00770	0.05151	0.00057	0.35981	323.7	5.7	323.8	3.5	319	43	323.8	3.5	0.0	Single Age
IOS1628_81	273.5	1.73	0.37360	0.00590	0.05088	0.00043	0.28560	322.0	4.4	319.9	2.6	330	35	319.9	2.6	0.7	Single Age
IOS1628_82	271	6.30	0.38920	0.00700	0.05148	0.00053	0.24816	333.3	5.1	323.5	3.2	394	38	323.5	3.2	2.9	Single Age
IOS1628_83	243	1.70	0.37230	0.00650	0.05120	0.00051	0.10342	320.9	4.8	321.9	3.1	320	40	321.9	3.1	0.3	Single Age
IOS1628_84	351	1.73	0.36410	0.00630	0.05066	0.00052	0.46536	314.8	4.7	318.5	3.2	300	34	318.5	3.2	1.2	Single Age
IOS1628_85	229	2.78	0.36750	0.00720	0.05059	0.00049	0.40746	317.3	5.3	318.1	3.0	322	39	318.1	3.0	0.3	Single Age

Table A3, con't.

IOS1628_86	132.1	2.62	0.35400	0.00750	0.05000	0.00049	0.12408	307.8	5.7	314.5	3.0	278	49	314.5	3.0	2.2	Single Age
IOS1628_87	224.8	1.90	0.36610	0.00740	0.05091	0.00046	0.27117	316.2	5.5	320.1	2.8	303	42	320.1	2.8	1.2	Single Age
IOS1628_88	112	2.33	0.37130	0.00860	0.05168	0.00054	0.02047	319.9	6.4	324.8	3.3	305	54	324.8	3.3	1.5	Single Age
IOS1628_89	181.9	1.71	0.37390	0.00710	0.05112	0.00057	0.37849	322.0	5.3	321.4	3.5	346	40	321.4	3.5	0.2	Single Age
IOS1628_90	333	2.40	0.35840	0.00550	0.04967	0.00039	0.07665	310.7	4.1	312.5	2.4	321	36	312.5	2.4	0.6	Single Age
IOS1628_91	566	4.11	0.38960	0.00720	0.05217	0.00061	0.32217	333.5	5.3	327.8	3.7	404	41	327.8	3.7	1.7	Single Age
IOS1628_92	1640	9.93	0.29880	0.00290	0.04555	0.00038	0.40904	265.4	2.3	287.1	2.4	284	23	287.1	2.4	8.2	Single Age
IOS1628_93	241.9	2.23	0.28950	0.00850	0.03741	0.00054	0.04891	257.9	6.7	236.8	3.3	453	68	236.8	3.3	8.2	Rim
IOS1628_93	138.7	1.79	0.37600	0.01300	0.05306	0.00066	0.33332	323.3	9.7	333.3	4.0	272	71	333.3	4.0	3.1	Core
IOS1628_94	307	2.37	0.35750	0.00570	0.05020	0.00046	0.29041	310.0	4.3	315.7	2.8	280	36	315.7	2.8	1.8	Single Age
IOS1628_95	218	1.37	0.36820	0.00550	0.05100	0.00046	0.20783	318.0	4.1	320.6	2.8	307	34	320.6	2.8	0.8	Single Age
IOS1628_96	446	1.35	0.37560	0.00540	0.05093	0.00044	0.34981	323.5	4.0	320.2	2.7	351	31	320.2	2.7	1.0	Single Age
IOS1628_97	192	2.63	0.36950	0.00670	0.05123	0.00050	0.27739	318.8	5.0	322.0	3.1	288	41	322.0	3.1	1.0	Single Age
IOS1628_98	246	1.30	0.41100	0.01200	0.05130	0.00097	0.41197	349.4	8.8	322.5	5.9	541	63	322.5	5.9	7.7	Single Age
IOS1628_99	141.8	2.64	0.44800	0.01500	0.05286	0.00081	0.27265	377.0	11.0	332.0	5.0	651	71	DISC	DISC	11.9	Single Age
IOS1628_100	334	3.86	0.37200	0.00610	0.05140	0.00042	0.13895	320.8	4.5	323.1	2.6	292	37	323.1	2.6	0.7	Single Age
IOS1628_101	306	3.69	0.37490	0.00730	0.05186	0.00055	0.36863	323.4	5.5	325.9	3.4	291	41	325.9	3.4	0.8	Single Age
IOS1628_102	236	2.91	0.36420	0.00670	0.05065	0.00080	0.01646	315.7	5.2	318.5	4.9	290	45	318.5	4.9	0.9	Single Age
IOS1628_103	405	4.31	0.37060	0.00560	0.05152	0.00048	0.40079	319.8	4.2	323.8	2.9	282	32	323.8	2.9	1.3	Single Age
IOS1628_104	167	2.37	0.36480	0.00850	0.05097	0.00065	0.23327	315.0	6.4	320.4	4.0	266	51	320.4	4.0	1.7	Single Age
IOS1628_105	345	3.11	0.40000	0.01400	0.04459	0.00055	0.56252	337.9	9.2	281.2	3.4	717	54	DISC	DISC	16.8	Single Age
IOS1628_106	273	4.31	0.36530	0.00660	0.05069	0.00060	0.48625	315.7	4.9	318.7	3.7	280	36	318.7	3.7	1.0	Single Age
IOS1628_107	177	5.53	0.38600	0.00750	0.05331	0.00063	0.41512	331.6	5.4	335.3	3.7	307	41	335.3	3.7	1.1	Single Age
IOS1628_108	194	1.96	0.36900	0.00670	0.05003	0.00055	0.28214	318.4	4.9	314.7	3.4	339	40	314.7	3.4	1.2	Single Age
IOS1628_109	206	2.90	0.37370	0.00810	0.05224	0.00050	0.42625	321.7	6.0	328.3	3.0	262	43	328.3	3.0	2.1	Single Age

Table A3, con't.

IOS1628_110	666	5.65	0.52900	0.04600	0.05050	0.00100	0.63326	422.0	29.0	317.6	6.2	920	120	DISC	DISC	24.7	Single Age
IOS1628_111	352	2.53	0.36830	0.00560	0.05097	0.00049	0.41917	318.1	4.1	320.5	3.0	297	31	320.5	3.0	0.8	Single Age
IOS1628_112	278	2.48	0.42800	0.01600	0.05262	0.00069	0.55539	360.0	10.0	330.5	4.2	529	65	330.5	4.2	8.2	Single Age
IOS1628_113	155	4.13	0.39000	0.01000	0.05299	0.00075	0.24047	333.0	7.6	332.8	4.6	326	57	332.8	4.6	0.1	Single Age
IOS1628_114	360	1.89	0.37090	0.00600	0.04991	0.00050	0.34610	320.5	4.5	313.9	3.0	361	36	313.9	3.0	2.1	Single Age
IOS1628_115	295	3.57	0.36400	0.00640	0.05018	0.00057	0.32475	314.8	4.8	315.6	3.5	306	39	315.6	3.5	0.3	Single Age
IOS1628_116	190	3.54	0.36290	0.00850	0.05027	0.00059	0.26402	313.6	6.4	316.2	3.6	291	50	316.2	3.6	0.8	Single Age
IOS1628_117	365	2.19	0.36510	0.00530	0.05063	0.00039	0.26381	315.7	3.9	318.4	2.4	282	34	318.4	2.4	0.9	Single Age
IOS1628_118	1460	9.40	0.36670	0.00500	0.04968	0.00060	0.55031	316.9	3.7	312.5	3.7	327	27	312.5	3.7	1.4	Single Age
IOS1628_119	288	2.85	0.39640	0.00870	0.05154	0.00071	0.35876	338.2	6.4	323.9	4.3	410	47	323.9	4.3	4.2	Single Age
IOS1628_120	381	3.63	0.39800	0.00820	0.05250	0.00064	0.41495	339.5	5.9	329.8	3.9	392	41	329.8	3.9	2.9	Single Age
IOS1628_121	297	3.01	0.37560	0.00680	0.05149	0.00052	0.24292	323.3	5.0	323.6	3.2	295	40	323.6	3.2	0.1	Single Age
IOS1628_122	263	8.70	0.41000	0.01200	0.05392	0.00084	0.36268	348.5	9.0	338.5	5.2	385	63	338.5	5.2	2.9	Rim
IOS1628_122	110.8	4.46	0.91400	0.03200	0.11070	0.00260	0.56848	658.0	17.0	677.0	15.0	598	65	677.0	15.0	2.9	Core
IOS1628_123	348	2.78	0.37070	0.00650	0.05178	0.00057	0.48599	319.8	4.8	325.4	3.5	269	35	325.4	3.5	1.8	Single Age
IOS1628_124	330.2	2.12	0.37290	0.00570	0.05071	0.00063	0.29953	322.0	4.3	318.8	3.9	316	38	318.8	3.9	1.0	Single Age
IOS1628_125	170	1.49	0.36950	0.00860	0.05139	0.00081	0.40863	319.3	6.5	323.0	4.9	282	49	323.0	4.9	1.2	Single Age
IOS1628_126	1120	6.70	0.29860	0.00500	0.04445	0.00050	0.39113	265.5	4.0	280.3	3.1	322	35	280.3	3.1	5.6	Single Age
IOS1628_127	309	2.50	0.35480	0.00550	0.04966	0.00049	0.28075	308.5	4.0	312.4	3.0	287	36	312.4	3.0	1.3	Single Age
IOS1628_128	129.7	2.73	0.38500	0.01300	0.05040	0.00130	0.49929	328.7	9.4	317.9	8.3	414	64	317.9	8.3	3.3	Single Age
IOS1628_129	212	2.29	0.35940	0.00730	0.05041	0.00064	0.40842	311.2	5.4	317.0	3.9	289	43	317.0	3.9	1.9	Single Age
IOS1628_130	224.6	1.43	0.36010	0.00680	0.05013	0.00072	0.37613	311.8	5.1	315.3	4.4	326	40	315.3	4.4	1.1	Single Age
IOS1628_131	657	7.70	0.36630	0.00540	0.05246	0.00055	0.24868	317.1	3.9	329.6	3.4	248	36	329.6	3.4	3.9	Single Age
IOS1628_132	197.4	2.17	0.35770	0.00620	0.05083	0.00050	0.35822	310.1	4.6	319.6	3.1	275	38	319.6	3.1	3.1	Single Age
IOS1628_133	214	3.30	0.36570	0.00650	0.05166	0.00048	0.31348	316.0	4.8	324.7	3.0	283	39	324.7	3.0	2.8	Single Age

Table A3, con't.

IOS1628_134	154.9	3.17	0.37750	0.00910	0.05014	0.00053	0.16258	324.4	6.6	315.4	3.3	414	49	315.4	3.3	2.8	Single Age
IOS1628_135	486	6.39	0.36630	0.00570	0.05208	0.00049	0.17658	316.6	4.3	327.3	3.0	252	35	327.3	3.0	3.4	Single Age
IOS1628_136	1320	9.48	0.30000	0.00340	0.04481	0.00049	0.60845	266.3	2.7	282.6	3.0	338	22	282.6	3.0	6.1	Single Age
IOS1628_137	331	1.82	0.35320	0.00530	0.05001	0.00042	0.17986	306.9	4.0	314.6	2.6	274	36	314.6	2.6	2.5	Single Age
IOS1628_138	137.5	2.98	0.36590	0.00890	0.05233	0.00069	0.16925	315.8	6.6	328.8	4.2	248	54	328.8	4.2	4.1	Single Age
IOS1628_139	280	7.30	0.37150	0.00690	0.04985	0.00053	0.46053	320.3	5.1	313.6	3.3	383	38	313.6	3.3	2.1	Single Age
IOS1628_140	566	7.01	0.37900	0.00560	0.05205	0.00057	0.38442	326.0	4.1	327.0	3.5	323	34	327.0	3.5	0.3	Single Age
IOS1628_201	293.4	2.59	0.36090	0.00810	0.05003	0.00055	0.15945	312.2	6.1	314.7	3.4	293	51	314.7	3.4	0.8	Single Age
IOS1628_202	204.2	2.32	0.73500	0.03300	0.05380	0.00130	0.37394	556.0	19.0	337.5	8.1	1608	80	DISC	DISC	39.3	Single Age
IOS1628_203	350.9	2.22	0.40200	0.01900	0.05000	0.00063	0.26624	341.0	13.0	314.5	3.9	496	80	314.5	3.9	7.8	Single Age
IOS1628_204	422	6.31	0.35030	0.00670	0.04914	0.00035	0.16006	304.4	5.0	309.2	2.2	272	43	309.2	2.2	1.6	Single Age
IOS1628_205	221.5	1.44	0.36020	0.00880	0.04931	0.00045	0.08436	311.6	6.6	310.3	2.8	316	55	310.3	2.8	0.4	Single Age
IOS1628_206	295	3.35	0.36500	0.01000	0.05094	0.00050	0.04053	314.8	7.8	320.3	3.1	277	64	320.3	3.1	1.7	Single Age
IOS1628_207	536	6.54	0.35760	0.00680	0.04973	0.00044	0.27727	311.3	5.4	312.9	2.7	301	44	312.9	2.7	0.5	Single Age
IOS1628_208	370	1.87	0.36570	0.00860	0.04970	0.00065	0.29377	315.9	6.4	312.6	4.0	337	52	312.6	4.0	1.0	Single Age
IOS1628_209	330	1.45	0.36000	0.01100	0.04939	0.00084	0.52359	311.9	7.9	310.7	5.2	311	56	310.7	5.2	0.4	Single Age
IOS1628_210	2310	13.60	0.32410	0.00640	0.04382	0.00050	0.36103	284.8	4.9	276.5	3.1	354	38	276.5	3.1	2.9	Rim
IOS1628_210	701	2.86	0.38400	0.01400	0.05220	0.00120	0.27401	329.0	10.0	327.9	7.1	330	82	327.9	7.1	0.3	Core
IOS1628_211	265	2.53	0.36600	0.01400	0.04899	0.00088	0.29140	316.0	10.0	308.3	5.4	354	79	308.3	5.4	2.4	Single Age
IOS1628_212	224	3.69	0.45600	0.01500	0.06120	0.00160	0.50105	380.0	11.0	382.7	9.6	359	63	382.7	9.6	0.7	Single Age
IOS1628_213	584	5.70	0.36700	0.01100	0.05220	0.00110	0.55871	317.0	8.1	327.9	6.7	251	57	327.9	6.7	3.4	Single Age
IOS1628_214	324	1.90	0.38240	0.00900	0.05242	0.00056	0.25299	328.1	6.6	329.3	3.4	309	50	329.3	3.4	0.4	Single Age
IOS1628_215	392	2.26	0.36250	0.00770	0.05023	0.00066	0.45925	313.6	5.7	315.9	4.0	288	42	315.9	4.0	0.7	Single Age
IOS1628_216	970	9.13	0.36780	0.00720	0.05031	0.00067	0.55380	317.5	5.3	316.4	4.1	323	37	316.4	4.1	0.3	Single Age
IOS1628_217	306	2.65	0.37200	0.01200	0.05048	0.00065	0.19398	319.9	8.7	317.5	4.0	315	65	317.5	4.0	0.8	Single Age

Table A3, con’t.

IOS1628_218	184.5	1.49	0.36200	0.00950	0.04949	0.00057	0.16779	313.7	7.3	311.3	3.5	310	59	311.3	3.5	0.8	Single Age
IOS1628_219	311	2.01	0.35610	0.00730	0.04948	0.00051	0.07894	309.5	5.3	311.3	3.1	282	48	311.3	3.1	0.6	Single Age
IOS1628_220	320	1.32	0.37000	0.01000	0.05023	0.00084	0.35005	319.0	7.8	315.9	5.2	320	59	315.9	5.2	1.0	Single Age
IOS1628_221	386.8	3.09	0.37600	0.01500	0.05050	0.00110	0.50252	323.0	11.0	317.2	7.0	346	76	317.2	7.0	1.8	Single Age
IOS1628_222	330	1.40	0.36500	0.01000	0.04964	0.00077	0.33836	315.6	7.5	312.3	4.7	321	58	312.3	4.7	1.0	Single Age
IOS1628_223	395	2.06	0.37000	0.01100	0.04930	0.00085	0.44182	318.8	7.9	310.2	5.2	367	57	310.2	5.2	2.7	Single Age
IOS1628_224	253.3	1.91	0.36110	0.00810	0.04984	0.00062	0.02288	312.5	6.0	313.5	3.8	294	54	313.5	3.8	0.3	Single Age
IOS1628_225	200	3.01	0.36910	0.00900	0.05028	0.00064	0.13518	318.2	6.7	316.2	3.9	324	57	316.2	3.9	0.6	Single Age
IOS1628_226	218	2.25	0.37000	0.01000	0.05101	0.00074	0.25409	321.7	7.6	320.6	4.5	306	61	320.6	4.5	0.3	Single Age
IOS1628_227	715	8.01	0.35190	0.00890	0.04797	0.00080	0.19187	305.8	6.7	302.0	4.9	326	56	302.0	4.9	1.2	Rim
IOS1628_227	270	8.67	0.37700	0.01300	0.05091	0.00079	0.15326	324.2	9.6	320.1	4.9	332	77	320.1	4.9	1.3	Core
IOS1628_228	355	2.63	0.53300	0.02900	0.04410	0.00200	0.46964	433.0	20.0	278.0	13.0	1383	85	DISC	DISC	35.8	Rim
IOS1628_228	160.3	2.25	0.41200	0.01600	0.04988	0.00084	0.32487	349.0	12.0	313.7	5.2	575	86	DISC	DISC	10.1	Core
IOS1628_229	520	13.30	0.37000	0.00870	0.04967	0.00052	0.16410	319.3	6.4	312.5	3.2	364	51	312.5	3.2	2.1	Single Age
IOS1628_230	262.7	3.89	0.37700	0.01200	0.04937	0.00079	0.19854	323.6	8.9	310.6	4.8	394	69	310.6	4.8	4.0	Single Age
IOS1628_231	266	3.49	0.37310	0.00980	0.04992	0.00058	0.33520	321.1	7.2	314.0	3.5	353	54	314.0	3.5	2.2	Single Age
IOS1628_232	4660	78.90	0.28100	0.02900	0.03720	0.00290	0.80626	250.0	23.0	235.0	18.0	380	130	235.0	18.0	6.0	Rim
IOS1628_232	416	2.73	0.37030	0.00970	0.04998	0.00087	0.49173	319.2	7.2	314.3	5.3	353	54	314.3	5.3	1.5	Core

Table A3, con't.

SAMPLE NAME: IOS1629																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age Ma**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1629_1	89.3	3.13	0.91200	0.04300	0.10090	0.00320	0.76281	651.0	23.0	619.0	19.0	756	68	619.0	19.0	4.9	Single Age
IOS1629_2	206.2	97.00	0.60300	0.04500	0.06030	0.00280	0.74177	469.0	27.0	377.0	17.0	860	100	DISC	DISC	19.6	Single Age
IOS1629_3	338	3.86	1.03900	0.04200	0.11420	0.00390	0.57277	722.0	21.0	697.0	22.0	776	71	697.0	22.0	3.5	Single Age
IOS1629_4	386	91.00	0.42900	0.01200	0.05590	0.00120	0.70138	360.9	8.6	350.2	7.5	391	42	350.2	7.5	3.0	Single Age
IOS1629_5	235	152.00	0.39800	0.01400	0.05320	0.00150	0.57499	339.0	10.0	333.8	9.0	307	63	333.8	9.0	1.5	Rim
IOS1629_5	246	22.00	0.96400	0.07400	0.10780	0.00670	0.80686	676.0	37.0	658.0	39.0	669	86	658.0	39.0	2.7	Core
IOS1629_6	599	57.20	0.43200	0.01900	0.05990	0.00240	0.72782	363.0	13.0	374.0	15.0	254	70	374.0	15.0	3.0	Single Age
IOS1629_7	277	24.20	0.42700	0.01300	0.05720	0.00150	0.65142	360.8	9.5	358.8	9.3	338	62	358.8	9.3	0.6	Rim
IOS1629_7	68	1.77	0.81000	0.03200	0.09760	0.00270	0.11150	600.0	18.0	600.0	16.0	585	85	600.0	16.0	0.0	Core
IOS1629_8	332	18.90	0.93500	0.03400	0.10710	0.00320	0.82370	665.0	17.0	655.0	19.0	674	45	655.0	19.0	1.5	Single Age
IOS1629_9	317	18.80	0.50600	0.03900	0.06520	0.00570	0.66930	413.0	27.0	406.0	34.0	420	160	406.0	34.0	1.7	Rim
IOS1629_9	89.1	1.58	1.60200	0.06700	0.15740	0.00530	0.65223	964.0	26.0	941.0	29.0	1000	62	941.0	29.0	2.4	Core
IOS1629_10	257.1	35.30	0.52400	0.02800	0.06240	0.00240	0.70186	425.0	19.0	390.0	15.0	555	86	390.0	15.0	8.2	Rim
IOS1629_10	90.1	2.88	2.00000	0.15000	0.13790	0.00380	0.47403	1106.0	49.0	832.0	22.0	1650	120	DISC	DISC	24.8	Core
IOS1629_11	366	109.00	0.39290	0.00680	0.05300	0.00070	0.48871	336.0	4.9	332.8	4.3	316	36	332.8	4.3	1.0	Single Age
IOS1629_12	119	9.90	0.58500	0.02400	0.06620	0.00210	0.69164	463.0	15.0	413.0	12.0	672	61	DISC	DISC	10.8	Single Age
IOS1629_13	151	1.87	0.64700	0.02100	0.08290	0.00240	0.62309	506.0	13.0	513.0	14.0	433	60	513.0	14.0	1.4	Single Age
IOS1629_14	96.5	4.21	5.29000	0.27000	0.29700	0.01300	0.80719	1859.0	42.0	1673.0	66.0	2079	52	2079.0	52.0	19.5	Single Age
IOS1629_15	115.2	1.06	0.81500	0.07300	0.08450	0.00170	0.45918	582.0	29.0	522.5	9.9	760	100	DISC	DISC	10.2	Single Age
IOS1629_16	488	124.00	0.37500	0.01000	0.05320	0.00130	0.39800	323.0	7.7	333.8	7.8	235	65	333.8	7.8	3.3	Rim
IOS1629_16	329	0.36	0.81300	0.02500	0.10190	0.00350	0.89257	604.0	14.0	625.0	20.0	534	54	625.0	20.0	3.5	Core

Table A3, con’t.

IOS1629_17	269	2.84	1.33600	0.03000	0.13610	0.00310	0.55143	860.0	13.0	822.0	17.0	958	47	822.0	17.0	4.4	Single Age
IOS1629_18	568	4.82	0.37960	0.00940	0.05220	0.00130	0.47759	325.8	6.9	327.7	7.8	314	53	327.7	7.8	0.6	Single Age
IOS1629_19	122.2	0.95	6.02000	0.14000	0.35130	0.00720	0.69746	1974.0	20.0	1939.0	34.0	2026	31	2026.0	31.0	4.3	Single Age
IOS1629_20	456	286.00	0.39500	0.02900	0.04940	0.00370	0.51048	336.0	21.0	311.0	23.0	510	180	311.0	23.0	7.4	Rim
IOS1629_20	290	4.22	1.81800	0.07000	0.17670	0.00640	0.52698	1050.0	27.0	1047.0	35.0	1066	76	1047.0	35.0	0.3	Core
IOS1629_21	344	73.00	0.40800	0.01800	0.05570	0.00200	0.64771	347.0	13.0	350.0	12.0	314	78	350.0	12.0	0.9	Rim
IOS1629_21	168	2.23	0.91800	0.02800	0.10180	0.00250	0.73418	659.0	15.0	624.0	15.0	795	43	624.0	15.0	5.3	Core
IOS1629_22	317	108.00	0.35900	0.01300	0.04830	0.00140	0.64147	311.0	9.8	304.1	8.4	354	63	304.1	8.4	2.2	Rim
IOS1629_22	24.87	1.05	1.06800	0.04600	0.12030	0.00300	0.32064	733.0	23.0	732.0	17.0	782	79	732.0	17.0	0.1	Core
IOS1629_23	73.2	57.00	4.77000	0.18000	0.28600	0.01100	0.45292	1776.0	30.0	1618.0	53.0	1983	71	1983.0	71.0	18.4	Single Age
IOS1629_24	375	245.00	0.37000	0.01500	0.05050	0.00150	0.49476	319.0	11.0	317.6	9.3	328	77	317.6	9.3	0.4	Rim
IOS1629_24	729	25.50	0.48700	0.01100	0.06380	0.00160	0.67174	402.5	7.6	398.4	9.5	458	46	398.4	9.5	1.0	Rim
IOS1629_24	275	8.39	0.77500	0.04900	0.09390	0.00660	0.82612	580.0	28.0	578.0	38.0	664	60	578.0	38.0	0.3	Core
IOS1629_25	367	2.06	8.41000	0.22000	0.36710	0.00910	0.86622	2271.0	24.0	2013.0	43.0	2545	24	2545.0	24.0	20.9	Single Age
IOS1629_26	750	11.34	0.85300	0.02100	0.10120	0.00290	0.78742	624.0	12.0	620.0	17.0	675	37	620.0	17.0	0.6	Single Age
IOS1629_27	327	71.00	0.49300	0.02900	0.05480	0.00220	0.71422	405.0	20.0	344.0	13.0	749	87	DISC	DISC	15.1	Rim
IOS1629_27	127	2.99	8.80000	0.57000	0.38400	0.02300	0.76634	2302.0	59.0	2090.0	110.0	2549	73	2549.0	73.0	18.0	Core
IOS1629_28	381	54.10	0.94500	0.03200	0.10530	0.00280	0.83913	672.0	16.0	645.0	16.0	808	38	645.0	16.0	4.0	Single Age
IOS1629_29	275	27.50	0.82200	0.02900	0.08890	0.00210	0.66031	607.0	16.0	548.0	13.0	856	54	548.0	13.0	9.7	Single Age
IOS1629_30	253	5.93	0.92700	0.03300	0.11050	0.00380	0.81454	662.0	17.0	675.0	22.0	662	48	675.0	22.0	2.0	Single Age
IOS1629_31	251	3.18	3.27000	0.16000	0.20700	0.01000	0.67368	1465.0	39.0	1208.0	54.0	1889	70	DISC	DISC	36.1	Single Age
IOS1629_32	253	5.81	8.97000	0.61000	0.37800	0.02400	0.89333	2243.0	75.0	2030.0	110.0	2563	50	2563.0	50.0	20.8	Single Age
IOS1629_33	362	127.00	0.40000	0.01600	0.05300	0.00190	0.77109	341.0	12.0	333.0	12.0	410	64	333.0	12.0	2.3	Rim
IOS1629_33	167	1.77	2.67000	0.21000	0.20300	0.01600	0.84816	1297.0	58.0	1180.0	81.0	1575	37	1180.0	81.0	9.0	Core
IOS1629_34	330	35.60	0.41000	0.01800	0.05690	0.00240	0.62729	348.0	13.0	357.0	15.0	338	86	357.0	15.0	2.6	Rim

Table A3, con't.

IOS1629_34	133.5	2.96	0.72200	0.02400	0.08780	0.00240	0.45374	549.0	14.0	542.0	14.0	607	68	542.0	14.0	1.3	Core
IOS1629_35	1670	54.50	0.35000	0.01300	0.04900	0.00170	0.79003	304.2	9.8	308.0	10.0	326	58	308.0	10.0	1.2	Rim
IOS1629_35	236	8.68	0.61900	0.02300	0.08040	0.00300	0.84645	487.0	15.0	498.0	18.0	566	52	498.0	18.0	2.3	Core
IOS1629_37	292	3.55	0.71800	0.02200	0.08930	0.00280	0.79100	547.0	13.0	551.0	17.0	558	42	551.0	17.0	0.7	Single Age
IOS1629_38	505	55.00	0.42900	0.01800	0.05840	0.00250	0.54581	361.0	13.0	365.0	15.0	360	84	365.0	15.0	1.1	Rim
IOS1629_38	157.7	2.20	0.84500	0.02900	0.09190	0.00190	0.25794	620.0	16.0	566.0	11.0	818	77	566.0	11.0	8.7	Core
IOS1629_39	138.7	5.09	0.68100	0.02000	0.08230	0.00220	0.59947	525.0	12.0	509.0	13.0	606	52	509.0	13.0	3.0	Single Age
IOS1629_40	230	7.70	0.66500	0.02500	0.08130	0.00240	0.64528	516.0	16.0	503.0	15.0	589	61	503.0	15.0	2.5	Single Age
IOS1629_41	482	29.50	0.45700	0.03100	0.05970	0.00440	0.71012	380.0	22.0	374.0	27.0	410	120	374.0	27.0	1.6	Rim
IOS1629_41	79.2	3.58	0.95800	0.05000	0.11510	0.00560	0.49620	680.0	26.0	702.0	32.0	630	110	702.0	32.0	3.2	Core
IOS1629_42	268	4.66	2.66000	0.24000	0.20300	0.01400	0.95351	1238.0	69.0	1173.0	76.0	1395	63	1173.0	76.0	5.3	Single Age
IOS1629_43	505	144.00	0.40000	0.02500	0.05210	0.00360	0.55912	340.0	18.0	327.0	22.0	420	140	327.0	22.0	3.8	Rim
IOS1629_43	729	15.40	0.69500	0.02600	0.08390	0.00300	0.83981	533.0	15.0	518.0	18.0	623	50	518.0	18.0	2.8	Core
IOS1629_44	171.7	3.17	0.37980	0.00910	0.05072	0.00096	0.32557	326.1	6.7	318.8	5.9	371	55	318.8	5.9	2.2	Single Age
IOS1629_45	245	0.46	0.84900	0.01800	0.10120	0.00190	0.58496	623.0	10.0	621.0	11.0	622	40	621.0	11.0	0.3	Single Age
IOS1629_46	1370	34.30	0.38200	0.01300	0.05450	0.00170	0.82954	326.6	9.5	342.0	10.0	392	45	342.0	10.0	4.7	Single Age
IOS1629_47	117	1.18	0.89900	0.02400	0.10770	0.00220	0.59178	649.0	13.0	659.0	13.0	598	48	659.0	13.0	1.5	Single Age
IOS1629_48	246	4.19	1.04500	0.03200	0.11260	0.00290	0.37882	725.0	16.0	687.0	17.0	821	61	687.0	17.0	5.2	Single Age
IOS1629_49	69.3	2.89	1.06500	0.05200	0.11170	0.00490	0.48459	732.0	26.0	682.0	29.0	870	100	682.0	29.0	6.8	Single Age
IOS1629_50	653	35.50	0.49600	0.02200	0.05260	0.00230	0.64834	407.0	15.0	330.0	14.0	869	79	DISC	DISC	18.9	Single Age
IOS1629_51	326	73.00	0.52500	0.04400	0.06070	0.00510	0.77366	424.0	29.0	379.0	31.0	660	110	DISC	DISC	10.6	Rim
IOS1629_51	57	1.70	3.84000	0.28000	0.22000	0.01400	0.90508	1561.0	61.0	1273.0	73.0	2014	60	DISC	DISC	36.8	Core
IOS1629_52	303	120.00	0.56200	0.06200	0.05410	0.00310	0.25730	453.0	41.0	339.0	19.0	990	210	DISC	DISC	25.2	Rim
IOS1629_52	126.5	4.32	1.65400	0.07800	0.10160	0.00380	0.60788	982.0	29.0	623.0	22.0	1942	68	DISC	DISC	36.6	Core
IOS1629_53	317	86.00	0.39300	0.01300	0.05390	0.00180	0.56226	335.4	9.2	338.0	11.0	321	64	338.0	11.0	0.8	Rim

Table A3, con't.

IOS1629_53	141.8	1.61	0.82700	0.03500	0.09930	0.00270	0.57825	610.0	19.0	610.0	16.0	641	73	610.0	16.0	0.0	Core
IOS1629_54	523	73.00	0.51200	0.05000	0.05880	0.00400	0.77377	416.0	34.0	368.0	24.0	660	130	DISC	DISC	11.5	Rim
IOS1629_54	474	9.43	4.35000	0.64000	0.20400	0.02200	0.98430	1480.0	120.0	1170.0	120.0	2069	95	DISC	DISC	20.9	Core
IOS1629_55	391	153.00	0.38100	0.01300	0.05100	0.00160	0.57186	327.1	9.3	323.0	11.0	355	66	323.0	11.0	1.3	Rim
IOS1629_55	263	2.88	0.66900	0.02100	0.08570	0.00290	0.52900	519.0	12.0	530.0	17.0	483	69	530.0	17.0	2.1	Core
IOS1629_56	382	4.38	0.90500	0.02000	0.10690	0.00260	0.61476	656.0	11.0	657.0	16.0	663	43	657.0	16.0	0.2	Single Age
IOS1629_57	330	2.15	0.80500	0.02000	0.09870	0.00280	0.52789	598.0	11.0	606.0	16.0	595	52	606.0	16.0	1.3	Single Age
IOS1629_58	93.6	0.88	0.77200	0.02900	0.08850	0.00230	0.58017	578.0	16.0	546.0	14.0	698	66	546.0	14.0	5.5	Single Age
IOS1629_59	1149	27.00	no value	NAN	no value	NAN	#VALUE!	no value	NAN	no value	NAN	349	40	######	#VALUE!	#VALUE!	Single Age
IOS1629_60	338	164.00	0.36400	0.01400	0.05030	0.00160	0.47643	315.0	11.0	319.0	11.0	291	81	319.0	11.0	1.3	Rim
IOS1629_60	241.9	3.00	0.76700	0.01900	0.09210	0.00230	0.54369	577.0	11.0	567.0	14.0	642	53	567.0	14.0	1.7	Core
IOS1629_61	243	2.04	0.72700	0.02400	0.09100	0.00290	0.68462	553.0	14.0	561.0	17.0	546	56	561.0	17.0	1.4	Single Age
IOS1629_62	209	21.90	0.43300	0.02000	0.05850	0.00240	0.58002	364.0	14.0	366.0	15.0	373	83	366.0	15.0	0.5	Rim
IOS1629_62	61.5	1.17	0.78400	0.04200	0.09000	0.00250	0.34156	584.0	24.0	555.0	15.0	710	110	555.0	15.0	5.0	Core
IOS1629_63	265	46.40	0.44700	0.04700	0.05680	0.00450	0.69315	371.0	32.0	356.0	28.0	460	160	356.0	28.0	4.0	Rim
IOS1629_63	126.3	8.41	1.23400	0.02800	0.13230	0.00260	0.46013	814.0	13.0	801.0	15.0	870	46	801.0	15.0	1.6	Core
IOS1629_64	702	52.00	0.56400	0.02500	0.07460	0.00270	0.63969	453.0	16.0	464.0	16.0	408	82	464.0	16.0	2.4	Rim
IOS1629_64	50.8	4.64	1.10300	0.05100	0.12670	0.00410	0.39238	750.0	24.0	768.0	23.0	728	93	768.0	23.0	2.4	Core
IOS1629_65	445	30.20	0.46400	0.01500	0.06060	0.00180	0.65395	386.0	10.0	379.0	11.0	442	60	379.0	11.0	1.8	Rim
IOS1629_65	176.1	2.20	0.77900	0.02500	0.09560	0.00280	0.54635	584.0	14.0	588.0	16.0	611	62	588.0	16.0	0.7	Core
IOS1629_66	531	151.00	0.37900	0.01900	0.05440	0.00200	0.69967	325.0	14.0	341.0	12.0	231	81	341.0	12.0	4.9	Rim
IOS1629_66	184.5	18.50	4.05000	0.24000	0.26800	0.01200	0.93351	1625.0	50.0	1524.0	59.0	1803	46	1803.0	46.0	15.5	Core
IOS1629_67	267	2.02	1.91500	0.05300	0.16280	0.00450	0.83271	1087.0	18.0	971.0	25.0	1336	33	DISC	DISC	10.7	Single Age
IOS1629_68	519	60.00	0.44300	0.04300	0.04880	0.00420	0.83796	370.0	29.0	307.0	26.0	810	110	DISC	DISC	17.0	Rim
IOS1629_68	119.3	4.06	5.36000	0.19000	0.32600	0.01100	0.90621	1865.0	33.0	1811.0	52.0	1976	29	1976.0	29.0	8.4	Core

Table A3, con't.

IOS1629_69	266.8	4.17	0.94500	0.02500	0.11400	0.00310	0.64978	674.0	13.0	695.0	18.0	636	51	695.0	18.0	3.1	Single Age
IOS1629_70	146	2.75	1.38000	0.09200	0.13570	0.00750	0.91062	864.0	37.0	817.0	42.0	1022	53	817.0	42.0	5.4	Single Age
IOS1629_71	195.7	2.26	0.80600	0.01700	0.09640	0.00160	0.65812	598.5	9.5	593.1	9.3	643	36	593.1	9.3	0.9	Single Age
IOS1629_72	443	10.30	1.42000	0.03300	0.14860	0.00360	0.76875	894.0	14.0	892.0	20.0	930	33	892.0	20.0	0.2	Single Age
IOS1629_73	712	122.00	0.40700	0.02000	0.05170	0.00230	0.53733	345.0	14.0	325.0	14.0	469	93	325.0	14.0	5.8	Rim
IOS1629_73	120	2.68	3.26000	0.25000	0.21800	0.01500	0.91663	1434.0	65.0	1262.0	79.0	1770	58	DISC	DISC	28.7	Core
IOS1629_74	549	52.30	0.49600	0.03600	0.06470	0.00380	0.62331	407.0	24.0	404.0	23.0	420	140	404.0	23.0	0.7	Rim
IOS1629_74	278	4.76	0.93000	0.02600	0.10730	0.00250	0.48935	665.0	14.0	657.0	15.0	702	52	657.0	15.0	1.2	Core
IOS1629_75	426	2.12	1.41300	0.05400	0.14840	0.00510	0.93523	883.0	25.0	889.0	29.0	892	31	889.0	29.0	0.7	Single Age
IOS1629_76	248	1.39	0.69500	0.01600	0.07650	0.00110	0.54987	534.6	9.6	475.1	6.6	810	42	DISC	DISC	11.1	Single Age
IOS1629_77	465	0.99	0.84600	0.02800	0.10000	0.00300	0.65661	621.0	16.0	614.0	18.0	639	59	614.0	18.0	1.1	Single Age
IOS1629_78	237.4	2.04	1.74000	0.40000	0.13270	0.00470	0.90824	881.0	59.0	802.0	26.0	1050	120	802.0	26.0	9.0	Single Age
IOS1629_79	377	103.00	0.38900	0.01600	0.05210	0.00150	0.65226	333.0	12.0	327.2	9.0	350	68	327.2	9.0	1.7	Rim
IOS1629_79	73.8	2.35	1.05400	0.05100	0.11460	0.00400	0.77775	727.0	25.0	699.0	23.0	818	61	699.0	23.0	3.9	Core
IOS1629_80	99.2	0.69	0.76400	0.01700	0.09400	0.00120	0.40012	576.0	10.0	579.1	6.8	541	48	579.1	6.8	0.5	Single Age
IOS1629_81	670	108.00	0.37700	0.01200	0.05210	0.00120	0.53599	324.1	8.6	327.2	7.3	271	60	327.2	7.3	1.0	Rim
IOS1629_81	107.3	1.31	0.74700	0.01800	0.09410	0.00170	0.46838	565.0	10.0	579.8	9.8	502	48	579.8	9.8	2.6	Core
IOS1629_82	482	161.60	0.52600	0.02400	0.05631	0.00088	0.77087	425.0	15.0	353.0	5.4	807	71	DISC	DISC	16.9	Single Age
IOS1629_83	275.6	1.33	0.90000	0.01100	0.10610	0.00110	0.26981	650.9	6.0	650.2	6.6	643	30	650.2	6.6	0.1	Single Age
IOS1629_84	132.2	3.90	0.35800	0.01200	0.04840	0.00140	0.44546	309.0	9.2	304.6	8.9	341	71	304.6	8.9	1.4	Single Age
IOS1629_85	362	114.00	0.43900	0.02300	0.05280	0.00200	0.40543	369.0	16.0	331.0	12.0	600	100	DISC	DISC	10.3	Rim
IOS1629_85	108.2	1.30	1.49600	0.07400	0.14890	0.00690	0.90125	915.0	32.0	891.0	39.0	1000	39	891.0	39.0	2.6	Core
IOS1629_86	164	3.41	1.38600	0.05700	0.14240	0.00480	0.87529	871.0	25.0	856.0	27.0	913	42	856.0	27.0	1.7	Single Age
IOS1629_87	543	5.28	0.95500	0.02700	0.10990	0.00310	0.65371	678.0	14.0	672.0	18.0	716	48	672.0	18.0	0.9	Single Age
IOS1629_88	849	80.00	0.40800	0.01800	0.05280	0.00200	0.86322	347.0	13.0	331.0	12.0	432	61	331.0	12.0	4.6	Rim

Table A3, con't.

IOS1629_88	117	2.85	0.80600	0.02200	0.09140	0.00190	0.39555	599.0	13.0	563.0	11.0	726	58	563.0	11.0	6.0	Core
IOS1629_89	274.7	46.00	0.44300	0.01400	0.05760	0.00150	0.77924	372.1	9.9	360.7	9.3	431	45	360.7	9.3	3.1	Single Age
IOS1629_90	363	6.00	3.69000	0.22000	0.23100	0.01200	0.93090	1521.0	56.0	1327.0	65.0	1853	51	DISC	DISC	28.4	Single Age
IOS1629_91	423	83.00	0.39000	0.01600	0.05200	0.00220	0.45282	334.0	12.0	327.0	13.0	373	98	327.0	13.0	2.1	Rim
IOS1629_91	78.6	2.78	0.78400	0.03200	0.09640	0.00260	0.18290	586.0	18.0	593.0	15.0	570	98	593.0	15.0	1.2	Core
IOS1629_92	157	15.50	0.90500	0.04300	0.10650	0.00390	0.55034	651.0	23.0	652.0	23.0	642	90	652.0	23.0	0.2	Single Age
IOS1629_93	1103	16.44	0.40460	0.00630	0.05541	0.00085	0.51205	344.7	4.5	347.6	5.2	333	35	347.6	5.2	0.8	Single Age
IOS1629_94	191	1.28	0.73400	0.01400	0.09010	0.00110	0.40949	557.7	8.1	556.0	6.6	571	39	556.0	6.6	0.3	Single Age
IOS1629_95	379	2.31	0.81200	0.01600	0.09510	0.00150	0.62957	602.5	8.8	585.6	9.0	661	35	585.6	9.0	2.8	Single Age
IOS1629_96	555	3.38	1.45300	0.06200	0.14810	0.00580	0.96520	897.0	28.0	887.0	33.0	961	25	887.0	33.0	1.1	Single Age
IOS1629_97	571	20.80	0.51600	0.01300	0.06480	0.00160	0.59088	421.4	8.8	404.7	9.7	540	46	404.7	9.7	4.0	Single Age
IOS1629_98	770	84.10	0.54600	0.01300	0.07060	0.00140	0.55499	441.9	8.6	439.9	8.6	464	44	439.9	8.6	0.5	Rim
IOS1629_98	368	131.70	1.02000	0.05500	0.10540	0.00320	0.94528	717.0	29.0	646.0	19.0	924	50	646.0	19.0	9.9	Core
IOS1629_99	321	4.61	4.14000	0.26000	0.24600	0.01400	0.96982	1598.0	63.0	1405.0	72.0	1940	41	DISC	DISC	27.6	Single Age
IOS1629_100	249	1.87	4.19000	0.25000	0.26800	0.01500	0.95827	1629.0	54.0	1516.0	75.0	1839	30	1839.0	30.0	17.6	Single Age
IOS1629_101	465	1.42	0.91000	0.02100	0.11130	0.00290	0.46500	655.0	11.0	679.0	17.0	609	56	679.0	17.0	3.7	Single Age
IOS1629_102	281	4.00	0.80300	0.01200	0.09650	0.00120	0.44568	597.6	6.9	593.5	7.3	639	33	593.5	7.3	0.7	Single Age
IOS1629_103	500	33.00	0.38800	0.01500	0.05480	0.00210	0.65187	332.0	11.0	343.0	13.0	283	70	343.0	13.0	3.3	Rim
IOS1629_103	152	0.97	0.82300	0.03100	0.09950	0.00350	0.68240	607.0	17.0	611.0	21.0	601	69	611.0	21.0	0.7	Core
IOS1629_104	595	65.00	0.42900	0.02800	0.05710	0.00310	0.82103	360.0	20.0	358.0	19.0	375	96	358.0	19.0	0.6	Rim
IOS1629_104	71.5	1.35	1.18000	0.02800	0.13390	0.00210	0.34163	791.0	12.0	810.0	12.0	740	48	810.0	12.0	2.4	Core
IOS1629_105	118.1	2.07	3.33000	0.23000	0.22800	0.01400	0.98011	1430.0	63.0	1312.0	74.0	1695	38	1695.0	38.0	22.6	Single Age
IOS1629_106	235	3.41	0.88800	0.05100	0.08900	0.00230	0.60361	643.0	27.0	549.0	13.0	990	88	DISC	DISC	14.6	Single Age
IOS1629_107	910	108.00	0.40800	0.01600	0.05500	0.00180	0.57519	347.0	12.0	345.0	11.0	353	77	345.0	11.0	0.6	Rim
IOS1629_107	224.8	1.48	1.42100	0.03900	0.14260	0.00270	0.56145	900.0	17.0	859.0	15.0	1001	42	859.0	15.0	4.6	Core

Table A3, con't.

IOS1629_108	306	5.21	5.54000	0.39000	0.25500	0.01500	0.97527	1828.0	68.0	1447.0	79.0	2390	40	DISC	DISC	39.5	Single Age
IOS1629_109	371	67.00	0.47800	0.02700	0.05690	0.00240	0.93917	392.0	19.0	356.0	14.0	593	52	356.0	14.0	9.2	Rim
IOS1629_109	179.3	1.20	1.13700	0.03000	0.11900	0.00420	0.62563	770.0	14.0	724.0	24.0	955	58	724.0	24.0	6.0	Core
IOS1629_110	155.6	0.78	0.81700	0.01600	0.10150	0.00160	0.47984	605.7	9.1	623.2	9.5	583	43	623.2	9.5	2.9	Single Age
IOS1629_111	689	1.62	1.03500	0.01700	0.11830	0.00200	0.68416	722.0	7.9	721.0	12.0	745	26	721.0	12.0	0.1	Single Age
IOS1629_112	543	116.00	0.37500	0.02000	0.05110	0.00240	0.73132	322.0	15.0	321.0	15.0	321	82	321.0	15.0	0.3	Rim
IOS1629_112	24.7	0.42	1.91500	0.07900	0.14770	0.00500	0.27255	1082.0	28.0	886.0	28.0	1515	90	DISC	DISC	18.1	Core
IOS1629_113	129.3	5.87	0.98400	0.02800	0.11150	0.00210	0.61110	694.0	14.0	681.0	12.0	759	49	681.0	12.0	1.9	Single Age
IOS1629_114	312	150.00	0.39200	0.01700	0.05310	0.00210	0.43872	335.0	13.0	334.0	13.0	340	95	334.0	13.0	0.3	Rim
IOS1629_114	401.8	6.05	8.67000	0.81000	0.34000	0.02700	0.99051	2190.0	100.0	1850.0	130.0	2650	42	DISC	DISC	30.2	Core
IOS1629_115	297	7.93	0.90100	0.03100	0.10630	0.00270	0.79874	648.0	16.0	651.0	16.0	642	46	651.0	16.0	0.5	Single Age
IOS1629_116	322	13.80	0.49900	0.02900	0.06640	0.00350	0.75636	409.0	20.0	414.0	21.0	373	88	414.0	21.0	1.2	Rim
IOS1629_116	121.6	4.17	0.94800	0.02700	0.11360	0.00340	0.65344	675.0	14.0	693.0	20.0	633	54	693.0	20.0	2.7	Core
IOS1629_117	365	126.00	0.37300	0.01300	0.05200	0.00180	0.41719	321.3	9.7	327.0	11.0	281	78	327.0	11.0	1.8	Rim
IOS1629_117	49.8	7.33	0.70600	0.04500	0.09090	0.00430	0.42394	539.0	27.0	561.0	25.0	460	130	561.0	25.0	4.1	Core
IOS1629_118	358	6.40	1.15700	0.08200	0.11760	0.00760	0.97064	753.0	40.0	711.0	44.0	915	43	711.0	44.0	5.6	Single Age
IOS1629_119	169	3.42	0.63600	0.01600	0.07770	0.00140	0.67950	499.3	9.4	482.0	8.3	578	39	482.0	8.3	3.5	Single Age
IOS1629_120	326	13.56	0.94500	0.02000	0.11070	0.00200	0.59679	674.0	11.0	677.0	12.0	661	39	677.0	12.0	0.4	Single Age
IOS1629_121	590	13.10	0.73300	0.01900	0.09000	0.00290	0.37914	557.0	11.0	555.0	17.0	571	70	555.0	17.0	0.4	Single Age
IOS1629_122	420	1.89	1.08200	0.03500	0.11730	0.00320	0.68016	743.0	17.0	715.0	19.0	830	52	715.0	19.0	3.8	Single Age
IOS1629_123	58.8	5.61	0.51800	0.03800	0.07080	0.00380	0.44333	419.0	25.0	441.0	23.0	320	140	441.0	23.0	5.3	Single Age
IOS1629_124	439	1.12	1.20700	0.02200	0.13080	0.00210	0.59860	802.0	10.0	792.0	12.0	810	34	792.0	12.0	1.2	Single Age
IOS1629_125	166	4.08	1.08900	0.03500	0.12370	0.00330	0.66716	744.0	17.0	751.0	19.0	717	52	751.0	19.0	0.9	Single Age
IOS1629_126	333	79.00	0.27700	0.02700	0.03910	0.00210	0.28978	248.0	21.0	247.0	13.0	220	180	247.0	13.0	0.4	Rim
IOS1629_126	172.4	7.50	0.43770	0.00780	0.05852	0.00084	0.27180	368.1	5.5	366.6	5.1	368	41	366.6	5.1	0.4	Core

Table A3, con't.

IOS1629_127	193	62.00	0.56200	0.03300	0.06900	0.00340	0.92443	445.0	21.0	429.0	20.0	504	51	429.0	20.0	3.6	Single Age
IOS1629_128	375	68.70	0.40050	0.00830	0.05447	0.00094	0.60397	342.1	5.9	342.5	5.9	314	37	342.5	5.9	0.1	Single Age
IOS1629_129	277.8	79.00	0.37950	0.00630	0.05174	0.00062	0.30183	326.3	4.6	325.6	3.9	314	38	325.6	3.9	0.2	Single Age
IOS1629_130	479	114.00	0.41100	0.01700	0.05380	0.00200	0.73445	349.0	13.0	338.0	12.0	394	61	338.0	12.0	3.2	Rim
IOS1629_130	462	5.28	0.82100	0.01900	0.09920	0.00190	0.75958	608.0	10.0	609.0	11.0	601	34	609.0	11.0	0.2	Core
IOS1629_131	354.9	13.20	0.63700	0.02800	0.07960	0.00310	0.92929	495.0	17.0	493.0	18.0	502	39	493.0	18.0	0.4	Single Age
IOS1629_132	117	4.30	0.58300	0.02200	0.07220	0.00230	0.74285	463.0	14.0	449.0	14.0	523	53	449.0	14.0	3.0	Single Age
IOS1629_133	346	165.20	0.37540	0.00800	0.04960	0.00086	0.55421	323.3	5.9	312.0	5.3	387	43	312.0	5.3	3.5	Single Age
IOS1629_134	232	1.58	0.38000	0.00750	0.05155	0.00075	0.26456	326.5	5.5	324.0	4.6	337	48	324.0	4.6	0.8	Single Age
IOS1629_135	286	2.28	1.27700	0.03000	0.13940	0.00310	0.72455	833.0	13.0	841.0	18.0	811	36	841.0	18.0	1.0	Single Age
IOS1629_136	282	88.00	0.41700	0.01900	0.05420	0.00200	0.54848	353.0	14.0	340.0	12.0	404	89	340.0	12.0	3.7	Rim
IOS1629_136	44.5	0.76	1.40600	0.07200	0.14040	0.00490	0.83845	880.0	32.0	846.0	28.0	949	62	846.0	28.0	3.9	Core
IOS1629_137	330	180.00	0.37400	0.01800	0.05190	0.00210	0.55791	321.0	13.0	326.0	13.0	287	87	326.0	13.0	1.6	Rim
IOS1629_137	416	1.92	0.99600	0.03900	0.11370	0.00460	0.79877	699.0	20.0	693.0	27.0	727	57	693.0	27.0	0.9	Core
IOS1629_138	304	10.10	0.70200	0.03200	0.08650	0.00360	0.86882	532.0	20.0	533.0	21.0	524	52	533.0	21.0	0.2	Single Age
IOS1629_139	182	55.00	0.97200	0.02800	0.11040	0.00300	0.59620	688.0	15.0	674.0	17.0	713	53	674.0	17.0	2.0	Single Age
IOS1629_140	323	90.30	0.41800	0.01700	0.05490	0.00210	0.58390	354.0	12.0	344.0	13.0	393	78	344.0	13.0	2.8	Rim
IOS1629_140	98	4.51	1.12100	0.05400	0.12310	0.00520	0.66659	761.0	26.0	748.0	30.0	809	80	748.0	30.0	1.7	Core
IOS1629_141	376	113.00	0.41400	0.01600	0.05190	0.00190	0.65077	351.0	11.0	326.0	12.0	485	65	326.0	12.0	7.1	Rim
IOS1629_141	135.4	5.90	0.67000	0.02200	0.08310	0.00220	0.65755	519.0	14.0	514.0	13.0	542	64	514.0	13.0	1.0	Core
IOS1629_142	372	191.00	0.39000	0.01700	0.05330	0.00160	0.72266	333.0	12.0	335.0	9.9	295	67	335.0	9.9	0.6	Rim
IOS1629_142	226	2.79	5.71000	0.13000	0.34370	0.00740	0.52262	1929.0	20.0	1903.0	35.0	1941	30	1941.0	30.0	2.0	Core
IOS1629_143	374	149.00	0.42300	0.02100	0.05400	0.00190	0.38823	357.0	15.0	339.0	11.0	447	96	339.0	11.0	5.0	Rim
IOS1629_143	248	2.28	1.30200	0.04600	0.13790	0.00510	0.72089	845.0	20.0	832.0	29.0	917	48	832.0	29.0	1.5	Core
IOS1629_144	156	1.71	1.24000	0.03900	0.13110	0.00430	0.62264	815.0	18.0	793.0	25.0	885	59	793.0	25.0	2.7	Single Age

Table A3, con't.

0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.0	0.0	0.0	0.0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	Single Age
IOS1629_201	615	46.20	0.41900	0.01800	0.05600	0.00220	0.63591	355.0	13.0	351.0	13.0	384	80	351.0	13.0	1.1	Rim
IOS1629_201	568	13.60	0.87400	0.01700	0.10240	0.00100	0.27416	637.0	9.2	628.4	6.0	662	44	628.4	6.0	1.4	Core
IOS1629_202	338	4.63	0.94100	0.02500	0.11070	0.00210	0.59749	673.0	13.0	677.0	12.0	651	48	677.0	12.0	0.6	Single Age
IOS1629_203	347	2.51	3.26000	0.22000	0.19800	0.01100	0.98784	1433.0	53.0	1156.0	60.0	1909	28	DISC	DISC	19.3	Single Age
IOS1629_204	28.93	1.07	0.94800	0.05000	0.09680	0.00180	0.07159	670.0	26.0	596.0	11.0	880	120	DISC	DISC	11.0	Single Age
IOS1629_205	194.7	1.62	0.65200	0.01500	0.06619	0.00091	0.00854	509.1	8.9	413.1	5.5	960	55	DISC	DISC	18.9	Single Age
IOS1629_206	125	1.36	0.63500	0.02300	0.07990	0.00200	0.37134	497.0	14.0	495.0	12.0	497	73	495.0	12.0	0.4	Single Age
IOS1629_207	938	6.81	8.44000	0.23000	0.35600	0.01200	0.67442	2276.0	25.0	1957.0	58.0	2587	46	2587.0	46.0	24.4	Single Age
IOS1629_208	646	189.00	0.33600	0.01900	0.04520	0.00220	0.56120	294.0	14.0	285.0	13.0	360	110	285.0	13.0	3.1	Rim
IOS1629_208	47.5	0.87	1.70100	0.05700	0.16710	0.00330	0.17689	1005.0	21.0	996.0	18.0	1036	69	996.0	18.0	0.9	Core
IOS1629_209	585	120.00	0.38500	0.01500	0.04860	0.00150	0.18591	330.0	11.0	305.9	9.3	511	90	305.9	9.3	7.3	Rim
IOS1629_209	156.7	0.80	5.16000	0.14000	0.29340	0.00690	0.70729	1844.0	24.0	1658.0	35.0	2071	38	2071.0	38.0	19.9	Core
IOS1629_210	83.4	1.32	0.73800	0.02500	0.09200	0.00170	0.30929	558.0	15.0	567.0	10.0	516	72	567.0	10.0	1.6	Single Age
IOS1629_211	121.1	1.41	9.07000	0.32000	0.40900	0.01300	0.91499	2333.0	35.0	2205.0	58.0	2463	27	2463.0	27.0	10.5	Single Age
IOS1629_212	365	0.72	1.41100	0.03100	0.14700	0.00250	0.44982	893.0	13.0	884.0	14.0	921	43	884.0	14.0	1.0	Single Age
IOS1629_213	2330	53.60	0.59800	0.01700	0.07060	0.00220	0.66806	475.0	11.0	440.0	14.0	673	45	440.0	14.0	7.4	Rim
IOS1629_213	255.6	1.93	3.54600	0.09000	0.18020	0.00440	0.35574	1537.0	20.0	1068.0	24.0	2266	52	DISC	DISC	30.5	Core
IOS1629_214	289	7.19	0.49000	0.04300	0.05100	0.00130	0.42828	401.0	28.0	320.5	7.9	900	160	DISC	DISC	20.1	Single Age
IOS1629_215	214.2	3.66	0.72900	0.02700	0.08830	0.00190	0.31932	555.0	16.0	545.0	11.0	594	83	545.0	11.0	1.8	Single Age
IOS1629_216	140.8	0.65	0.85100	0.02400	0.10080	0.00140	0.33123	624.0	13.0	618.9	8.4	643	60	618.9	8.4	0.8	Single Age
IOS1629_217	944	138.40	0.38300	0.01500	0.05110	0.00160	0.47853	329.0	11.0	321.0	9.9	406	82	321.0	9.9	2.4	Rim
IOS1629_217	206.8	2.45	0.72700	0.01700	0.08686	0.00099	0.16601	554.9	9.9	536.9	5.9	635	51	536.9	5.9	3.2	Core
IOS1629_218	506	34.00	0.45000	0.02600	0.05750	0.00240	0.34024	376.0	18.0	361.0	15.0	490	120	361.0	15.0	4.0	Rim
IOS1629_218	71.6	1.25	2.51800	0.08500	0.20180	0.00550	0.48361	1275.0	25.0	1184.0	30.0	1439	60	1184.0	30.0	7.1	Core

Table A3, con't.

IOS1629_219	684	8.29	0.94400	0.05400	0.08720	0.00290	0.66421	674.0	28.0	539.0	17.0	1172	90	DISC	DISC	20.0	Rim
IOS1629_219	210.6	1.45	3.79700	0.06200	0.25910	0.00330	0.07080	1591.0	13.0	1485.0	17.0	1743	37	1743.0	37.0	14.8	Core
IOS1629_220	1274	3.57	0.57000	0.02200	0.07000	0.00160	0.38478	457.0	14.0	436.1	9.7	588	76	436.1	9.7	4.6	Rim
IOS1629_220	724	2.59	0.69100	0.03100	0.07540	0.00110	0.62788	530.0	17.0	468.3	6.4	804	65	DISC	DISC	11.6	Core
IOS1629_221	660	2.64	15.13000	0.24000	0.52570	0.00840	0.93801	2820.0	16.0	2720.0	36.0	2897	11	2897.0	11.0	6.1	Single Age
IOS1629_222	370.7	3.16	1.27500	0.06100	0.11310	0.00130	0.56765	832.0	27.0	690.7	7.3	1216	77	DISC	DISC	17.0	Single Age
IOS1629_223	128.5	1.06	3.70000	0.11000	0.22810	0.00500	0.84605	1570.0	24.0	1323.0	26.0	1929	29	DISC	DISC	31.4	Single Age
IOS1629_224	687	62.00	0.43900	0.03500	0.05120	0.00250	0.37405	368.0	24.0	322.0	15.0	670	150	DISC	DISC	12.5	Rim
IOS1629_224	251.9	2.67	0.62400	0.01700	0.07050	0.00110	0.31135	491.0	11.0	438.9	6.4	754	61	DISC	DISC	10.6	Core
IOS1629_225	827	3.36	0.95800	0.01400	0.11300	0.00160	0.55234	681.6	7.3	690.0	9.2	659	29	690.0	9.2	1.2	Single Age
IOS1629_226	234.7	0.90	1.59800	0.03500	0.15010	0.00290	0.57393	969.0	14.0	901.0	16.0	1129	36	901.0	16.0	7.0	Single Age
IOS1629_227	351	1.40	0.85500	0.02000	0.10560	0.00220	0.59247	629.0	12.0	647.0	13.0	583	48	647.0	13.0	2.9	Single Age
IOS1629_228	1705	53.40	0.93600	0.02100	0.10970	0.00180	0.71605	670.0	11.0	671.0	10.0	683	35	671.0	10.0	0.1	Rim
IOS1629_228	300	2.39	1.42900	0.02100	0.14920	0.00130	0.16881	900.4	8.6	896.6	7.3	913	32	896.6	7.3	0.4	Core
IOS1629_229	890	13.30	0.51500	0.03000	0.06340	0.00240	0.81233	420.0	20.0	396.0	15.0	561	76	396.0	15.0	5.7	Rim
IOS1629_229	176.6	1.15	1.44900	0.03100	0.14540	0.00200	0.35819	908.0	13.0	875.0	11.0	995	43	875.0	11.0	3.6	Core
IOS1629_230	928	27.30	0.42500	0.02600	0.05350	0.00310	0.74683	359.0	19.0	336.0	19.0	515	99	336.0	19.0	6.4	Rim
IOS1629_230	1957	8.18	0.61220	0.00960	0.07570	0.00110	0.58010	484.5	6.0	470.0	6.8	552	34	470.0	6.8	3.0	Core

SAMPLE NAME: IOS1630

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age Ma**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1630_1	377	31.50	0.38420	0.00860	0.05184	0.00069	0.38341	329.4	6.3	325.7	4.2	330	45	325.7	4.2	1.1	Single Age
IOS1630_2	494	19.50	0.37160	0.00670	0.05114	0.00051	0.25262	321.0	5.1	321.5	3.1	293	41	321.5	3.1	0.2	Single Age

Table A3, con't.

IOS1630_3	348	2.06	0.35920	0.00710	0.04907	0.00054	0.30571	311.1	5.3	308.8	3.3	304	43	308.8	3.3	0.7	Single Age
IOS1630_4	249	22.80	0.37010	0.00770	0.05014	0.00056	0.32121	319.1	5.7	315.3	3.5	315	44	315.3	3.5	1.2	Single Age
IOS1630_5	234	5.90	0.36900	0.02600	0.05180	0.00200	0.17518	318.0	20.0	326.0	12.0	250	150	326.0	12.0	2.5	Rim
IOS1630_5	182	2.07	0.57400	0.01900	0.06970	0.00150	0.35282	460.0	12.0	434.3	8.9	551	73	434.3	8.9	5.6	Core
IOS1630_6	250	0.74	0.35300	0.00660	0.04883	0.00052	0.20798	306.6	4.9	307.3	3.2	286	46	307.3	3.2	0.2	Single Age
IOS1630_7	729	45.20	0.37800	0.01300	0.04979	0.00089	0.55240	324.9	9.4	313.2	5.4	384	61	313.2	5.4	3.6	Rim
IOS1630_7	413.9	8.82	3.44000	0.20000	0.22500	0.01200	0.98714	1486.0	53.0	1302.0	63.0	1765	27	DISC	DISC	26.2	Core
IOS1630_8	446	9.10	0.39400	0.02000	0.05260	0.00160	0.18434	337.0	14.0	330.4	9.9	350	120	330.4	9.9	2.0	Rim
IOS1630_8	604	21.48	0.59700	0.01200	0.07450	0.00130	0.43855	475.1	7.6	463.3	7.5	513	47	463.3	7.5	2.5	Rim
IOS1630_8	193	7.02	0.98900	0.04500	0.11230	0.00330	0.61061	697.0	23.0	686.0	19.0	693	80	686.0	19.0	1.6	Core
IOS1630_9	404	41.30	0.36500	0.01000	0.05161	0.00098	0.35141	315.6	7.6	324.3	6.0	239	60	324.3	6.0	2.8	Rim
IOS1630_9	174.9	3.34	0.63900	0.03400	0.07750	0.00280	0.47136	510.0	27.0	481.0	17.0	590	130	481.0	17.0	5.7	Core
IOS1630_10	398	2.13	0.37250	0.00590	0.05138	0.00063	0.25565	321.2	4.3	323.0	3.9	295	42	323.0	3.9	0.6	Single Age
IOS1630_11	360	3.12	0.49100	0.01000	0.06378	0.00088	0.51737	404.9	6.8	398.5	5.3	423	41	398.5	5.3	1.6	Single Age
IOS1630_12	314	24.80	0.39270	0.00880	0.05402	0.00093	0.43175	335.6	6.4	339.1	5.7	299	49	339.1	5.7	1.0	Single Age
IOS1630_13	541	29.40	0.38700	0.01600	0.05050	0.00130	0.23196	331.0	11.0	317.4	7.8	399	95	317.4	7.8	4.1	Rim
IOS1630_13	532	3.79	6.51000	0.53000	0.27100	0.01900	0.97323	1989.0	81.0	1530.0	98.0	2532	32	DISC	DISC	39.6	Core
IOS1630_14	955	39.10	0.36820	0.00550	0.04995	0.00049	0.38687	318.0	4.1	314.2	3.0	327	32	314.2	3.0	1.2	Single Age
IOS1630_15	481	10.50	0.40600	0.01700	0.05500	0.00150	0.65387	345.0	12.0	345.2	9.4	326	71	345.2	9.4	0.1	Rim
IOS1630_15	243.4	77.00	0.95400	0.02500	0.11110	0.00160	0.49104	679.0	13.0	678.8	9.1	667	48	678.8	9.1	0.0	Core
IOS1630_16	641	20.20	0.36500	0.00830	0.04991	0.00072	0.44032	315.5	6.1	314.0	4.4	306	46	314.0	4.4	0.5	Rim
IOS1630_16	791	14.30	0.97400	0.02500	0.10460	0.00220	0.66677	690.0	13.0	641.0	13.0	827	40	641.0	13.0	7.1	Core
IOS1630_17	411	33.00	0.40090	0.00950	0.05510	0.00100	0.61151	341.4	6.9	345.9	6.1	290	42	345.9	6.1	1.3	Single Age
IOS1630_18	162	14.20	0.47400	0.02300	0.05500	0.00240	0.40494	392.0	16.0	345.0	15.0	690	110	DISC	DISC	12.0	Single Age
IOS1630_19	338	5.03	0.40440	0.00820	0.05440	0.00068	0.29382	344.2	5.9	341.4	4.2	349	43	341.4	4.2	0.8	Single Age

Table A3, con't.

IOS1630_20	366	40.70	0.43710	0.00960	0.05246	0.00059	0.37972	367.4	6.8	329.6	3.6	593	45	DISC	DISC	10.3	Single Age
IOS1630_21	737	37.30	0.37900	0.01300	0.05150	0.00130	0.46916	325.8	9.2	323.6	7.7	335	65	323.6	7.7	0.7	Rim
IOS1630_21	60.5	0.79	0.81700	0.03700	0.09630	0.00170	0.30201	602.0	21.0	593.0	10.0	599	94	593.0	10.0	1.5	Core
IOS1630_22	298	26.50	0.36780	0.00670	0.05121	0.00050	0.33865	317.6	4.9	321.9	3.0	276	40	321.9	3.0	1.4	Single Age
IOS1630_23	482	20.10	0.39560	0.00640	0.05390	0.00058	0.33795	338.1	4.7	338.4	3.6	335	35	338.4	3.6	0.1	Single Age
IOS1630_24	247	28.20	0.41400	0.01900	0.05600	0.00200	0.64914	350.0	13.0	351.0	12.0	366	77	351.0	12.0	0.3	Rim
IOS1630_24	105.1	3.06	0.78400	0.02400	0.09400	0.00180	0.33826	586.0	14.0	579.0	11.0	609	71	579.0	11.0	1.2	Core
IOS1630_25	372	2.13	0.34740	0.00620	0.04663	0.00057	0.27952	303.0	4.8	293.7	3.5	324	42	293.7	3.5	3.1	Single Age
IOS1630_26	214	2.85	0.37020	0.00800	0.05167	0.00065	0.26809	319.9	6.1	324.7	4.0	284	49	324.7	4.0	1.5	Single Age
IOS1630_27	548	34.30	0.40300	0.01100	0.05387	0.00098	0.55207	342.7	7.6	338.1	6.0	376	49	338.1	6.0	1.3	Single Age
IOS1630_28	651	1.91	0.36520	0.00610	0.05119	0.00069	0.47271	315.7	4.5	321.8	4.2	278	35	321.8	4.2	1.9	Single Age
IOS1630_29	332	45.30	0.42300	0.02200	0.05620	0.00210	0.70817	357.0	15.0	352.0	13.0	370	80	352.0	13.0	1.4	Rim
IOS1630_29	126	0.63	1.19000	0.03200	0.12950	0.00250	0.59298	794.0	15.0	785.0	14.0	831	43	785.0	14.0	1.1	Core
IOS1630_30	503	44.00	0.40200	0.02900	0.05130	0.00220	0.64094	342.0	20.0	322.0	13.0	480	120	322.0	13.0	5.8	Rim
IOS1630_30	759	5.17	0.93200	0.02300	0.10450	0.00220	0.53009	667.0	12.0	641.0	13.0	762	43	641.0	13.0	3.9	Core
IOS1630_31	226	22.30	0.38300	0.01000	0.05221	0.00087	0.36096	328.1	7.4	328.0	5.3	336	56	328.0	5.3	0.0	Single Age
IOS1630_32	113.7	4.10	0.39100	0.01100	0.05300	0.00100	0.32003	333.5	8.4	332.8	6.4	352	63	332.8	6.4	0.2	Single Age
IOS1630_33	450	38.00	0.42600	0.02100	0.05690	0.00290	0.33000	360.0	15.0	357.0	18.0	410	120	357.0	18.0	0.8	Rim
IOS1630_33	227	2.55	3.36000	0.24000	0.22100	0.01300	0.96920	1457.0	57.0	1278.0	68.0	1780	37	DISC	DISC	28.2	Core
IOS1630_34	70	5.90	0.40700	0.02400	0.05580	0.00160	0.22295	346.0	18.0	350.0	9.5	340	120	350.0	9.5	1.2	Single Age
IOS1630_35	142.6	2.56	0.37700	0.01300	0.05310	0.00150	0.41182	324.6	9.9	333.6	9.1	292	73	333.6	9.1	2.8	Single Age
IOS1630_36	548	42.70	0.39360	0.00770	0.05321	0.00076	0.48251	336.6	5.6	334.2	4.7	389	39	334.2	4.7	0.7	Single Age
IOS1630_37	258	31.40	0.39800	0.01800	0.05370	0.00200	0.55426	339.0	13.0	337.0	12.0	385	88	337.0	12.0	0.6	Rim
IOS1630_37	1064	19.59	0.68500	0.01900	0.08510	0.00280	0.54831	529.0	11.0	527.0	16.0	593	52	527.0	16.0	0.4	Rim
IOS1630_37	504	10.50	1.67000	0.14000	0.12980	0.00970	0.87854	993.0	55.0	786.0	56.0	1503	77	DISC	DISC	20.8	Core

Table A3, con't.

IOS1630_38	299	43.00	0.41800	0.02700	0.05590	0.00370	0.65064	353.0	19.0	350.0	23.0	410	120	350.0	23.0	0.8	Rim
IOS1630_38	490.2	81.60	0.71400	0.01800	0.08760	0.00200	0.70293	546.0	11.0	543.0	12.0	583	41	543.0	12.0	0.5	Core
IOS1630_39	662	36.30	0.42700	0.01000	0.05740	0.00110	0.82294	359.7	7.3	359.5	6.7	393	31	359.5	6.7	0.1	Single Age
IOS1630_40	314	38.90	0.40500	0.02000	0.05710	0.00210	0.66949	345.0	14.0	358.0	13.0	294	80	358.0	13.0	3.8	Rim
IOS1630_40	403	1.07	1.05300	0.02900	0.11780	0.00280	0.80959	728.0	14.0	717.0	16.0	794	33	717.0	16.0	1.5	Core
IOS1630_41	225	4.99	0.40900	0.02500	0.05670	0.00220	0.56622	347.0	18.0	355.0	13.0	310	110	355.0	13.0	2.3	Rim
IOS1630_41	255.2	3.56	0.66600	0.02200	0.08370	0.00200	0.76299	517.0	13.0	518.0	12.0	537	46	518.0	12.0	0.2	Core
IOS1630_42	331	9.12	0.42500	0.03200	0.05950	0.00360	0.84873	358.0	23.0	372.0	22.0	308	93	372.0	22.0	3.9	Rim
IOS1630_42	204.7	1.24	1.13100	0.03000	0.13080	0.00290	0.60641	767.0	14.0	796.0	18.0	714	49	796.0	18.0	3.8	Core
IOS1630_43	297	11.90	0.49300	0.01800	0.06360	0.00160	0.77295	404.0	12.0	398.0	10.0	470	49	398.0	10.0	1.5	Single Age
IOS1630_44	138	16.10	0.38500	0.01400	0.05180	0.00097	0.17088	330.0	9.6	325.5	6.0	382	73	325.5	6.0	1.4	Single Age
IOS1630_45	612	26.40	0.40540	0.00830	0.05501	0.00084	0.65773	344.9	5.9	345.1	5.1	398	37	345.1	5.1	0.1	Single Age
IOS1630_46	427	23.10	0.39500	0.01200	0.05410	0.00130	0.63632	339.0	9.3	339.6	8.0	375	54	339.6	8.0	0.2	Rim
IOS1630_46	161.5	3.01	2.69000	0.20000	0.17600	0.01100	0.88911	1313.0	59.0	1045.0	58.0	1812	68	DISC	DISC	20.4	Core
IOS1630_47	616	14.30	0.57200	0.01600	0.07320	0.00140	0.70296	458.0	10.0	455.1	8.5	529	38	455.1	8.5	0.6	Single Age
IOS1630_48	186.7	8.64	0.37980	0.00920	0.05307	0.00098	0.41252	326.0	6.7	333.2	6.0	313	50	333.2	6.0	2.2	Single Age
IOS1630_49	289.3	1.41	0.38600	0.00790	0.05426	0.00075	0.34482	330.8	5.8	340.6	4.6	315	45	340.6	4.6	3.0	Single Age
IOS1630_50	230.5	38.60	0.37400	0.00880	0.05354	0.00097	0.19997	321.9	6.5	336.1	6.0	272	55	336.1	6.0	4.4	Single Age
IOS1630_201	272	2.04	0.35120	0.00930	0.04907	0.00057	0.31814	304.7	7.0	308.8	3.5	274	55	308.8	3.5	1.3	Single Age
IOS1630_202	588	49.00	0.43000	0.02100	0.05610	0.00220	0.15507	363.0	15.0	352.0	14.0	430	130	352.0	14.0	3.0	Rim
IOS1630_202	456	2.49	0.79300	0.02400	0.09410	0.00200	0.48989	592.0	14.0	580.0	12.0	631	58	580.0	12.0	2.0	Rim
IOS1630_202	96	2.55	1.04700	0.04000	0.11810	0.00170	0.08987	725.0	20.0	719.6	9.6	729	87	719.6	9.6	0.7	Core
IOS1630_203	504	54.30	0.38260	0.00940	0.05040	0.00082	0.02074	328.6	6.9	317.0	5.0	403	61	317.0	5.0	3.5	Single Age
IOS1630_204	50.1	0.93	1.48400	0.04900	0.15170	0.00290	0.26076	921.0	20.0	910.0	16.0	941	69	910.0	16.0	1.2	Single Age
IOS1630_205	1204	36.20	0.35890	0.00550	0.04935	0.00054	0.37165	311.2	4.1	310.5	3.3	307	34	310.5	3.3	0.2	Rim

Table A3, con't.

IOS1630_205	814	0.97	0.57800	0.01800	0.07260	0.00170	0.78276	463.0	12.0	452.0	10.0	515	45	452.0	10.0	2.4	Core
IOS1630_206	369	1.38	0.36090	0.00660	0.05014	0.00051	0.19162	313.1	5.0	315.3	3.1	284	42	315.3	3.1	0.7	Single Age
IOS1630_208	295.8	52.20	0.35760	0.00800	0.04884	0.00069	0.32476	309.8	6.0	307.3	4.2	314	47	307.3	4.2	0.8	Single Age
IOS1630_209	777	20.10	0.36100	0.02000	0.04760	0.00110	0.08169	313.0	15.0	299.9	6.9	390	130	299.9	6.9	4.2	Single Age
IOS1630_210	586	14.10	0.37500	0.01500	0.05160	0.00100	0.58619	323.0	11.0	324.3	6.2	293	68	324.3	6.2	0.4	Single Age
IOS1630_211	143	23.70	0.61000	0.04300	0.07030	0.00240	0.96417	442.0	16.0	436.0	14.0	497	37	436.0	14.0	1.4	Single Age
IOS1630_210	351	1.60	0.79600	0.02000	0.09700	0.00170	0.43529	594.0	11.0	597.0	10.0	585	48	597.0	10.0	0.5	Single Age
IOS1630_211	290	2.54	0.36110	0.00780	0.04938	0.00055	0.27589	312.4	5.8	310.7	3.4	313	48	310.7	3.4	0.5	Single Age
IOS1630_212	113.6	2.44	0.36700	0.01300	0.04931	0.00069	0.13335	315.8	9.7	310.2	4.3	335	75	310.2	4.3	1.8	Single Age
IOS1630_213	960	115.90	0.37670	0.00700	0.05136	0.00057	0.34362	324.3	5.2	322.8	3.5	326	43	322.8	3.5	0.5	Rim
IOS1630_213	487	7.44	6.43000	0.23000	0.29210	0.00960	0.95919	2039.0	31.0	1650.0	49.0	2444	19	DISC	DISC	32.5	Core
IOS1630_214	385	2.46	0.34330	0.00700	0.04755	0.00064	0.30969	299.2	5.3	299.4	4.0	284	45	299.4	4.0	0.1	Single Age
IOS1630_215	250	0.93	1.63000	0.02300	0.16100	0.00180	0.48176	982.1	9.3	962.0	9.9	1016	25	962.0	9.9	2.0	Single Age
IOS1630_216	501	13.50	0.39300	0.01000	0.05280	0.00065	0.35626	335.9	7.3	331.7	4.0	347	53	331.7	4.0	1.3	Rim
IOS1630_216	89.3	1.17	0.57100	0.02900	0.07120	0.00180	0.26549	457.0	19.0	443.0	11.0	500	110	443.0	11.0	3.1	Core
IOS1630_217	467	1.57	1.07100	0.01400	0.11850	0.00110	0.39515	738.6	7.0	721.9	6.3	770	29	721.9	6.3	2.3	Single Age
IOS1630_218	314	2.81	0.37300	0.01000	0.05085	0.00077	0.35251	320.7	7.3	319.6	4.7	306	53	319.6	4.7	0.3	Single Age
IOS1630_219	353.2	43.10	0.34780	0.00690	0.04721	0.00044	0.05076	303.2	5.1	297.4	2.7	326	48	297.4	2.7	1.9	Single Age
IOS1630_220	321	2.74	0.37620	0.00760	0.05043	0.00058	0.12366	323.7	5.6	317.1	3.6	357	48	317.1	3.6	2.0	Single Age
IOS1630_221	454	14.00	0.35080	0.00690	0.04896	0.00065	0.37165	304.8	5.1	308.1	4.0	262	43	308.1	4.0	1.1	Single Age
IOS1630_222	210	11.00	0.37900	0.01800	0.05035	0.00082	0.14972	323.0	13.0	316.6	5.1	349	94	316.6	5.1	2.0	Single Age
IOS1630_223	832	23.70	0.37990	0.00890	0.05093	0.00083	0.42706	326.5	6.5	320.2	5.1	337	48	320.2	5.1	1.9	Rim
IOS1630_223	166.8	0.96	1.11100	0.03000	0.12290	0.00200	0.31186	757.0	15.0	747.0	12.0	775	56	747.0	12.0	1.3	Core
IOS1630_224	513	2.34	0.34260	0.00550	0.04688	0.00045	0.31043	298.8	4.2	295.3	2.7	298	38	295.3	2.7	1.2	Single Age
IOS1630_225	534	3.80	0.36060	0.00670	0.04939	0.00040	0.22090	312.2	5.0	310.8	2.5	304	41	310.8	2.5	0.4	Single Age

Table A3, con’t.

IOS1630_226	668	16.40	0.39900	0.01100	0.05350	0.00120	0.51474	340.7	8.2	335.6	7.3	347	55	335.6	7.3	1.5	Single Age
IOS1630_227	162.8	0.96	0.36500	0.01100	0.05010	0.00069	0.29906	314.5	8.2	315.1	4.2	286	63	315.1	4.2	0.2	Single Age
IOS1630_228	924	22.20	0.36700	0.01500	0.04870	0.00150	0.16980	317.0	11.0	306.3	9.0	380	110	306.3	9.0	3.4	Rim
IOS1630_228	363.8	1.94	1.51100	0.03700	0.15260	0.00260	0.46583	934.0	15.0	916.0	15.0	966	45	916.0	15.0	1.9	Core
IOS1630_229	1410	21.80	0.89800	0.02500	0.10550	0.00260	0.75154	650.0	13.0	646.0	15.0	647	42	646.0	15.0	0.6	Rim
IOS1630_229	95.8	0.31	1.76800	0.04000	0.17740	0.00220	0.25396	1031.0	14.0	1053.0	12.0	964	44	1053.0	12.0	2.1	Core
IOS1630_230	444	9.90	0.38500	0.01100	0.05272	0.00085	0.43157	330.2	7.7	331.2	5.2	313	57	331.2	5.2	0.3	Rim
IOS1630_230	1094	2.78	1.06800	0.03400	0.11690	0.00290	0.60149	737.0	17.0	712.0	17.0	807	55	712.0	17.0	3.4	Core
IOS1630_231	165.3	2.19	0.37100	0.01100	0.05168	0.00064	0.09347	319.5	8.0	324.8	3.9	263	63	324.8	3.9	1.7	Single Age
IOS1630_232	653	29.70	0.37310	0.00780	0.05080	0.00072	0.40082	321.5	5.8	319.4	4.4	325	45	319.4	4.4	0.7	Rim
IOS1630_232	651	3.11	0.74000	0.02700	0.09220	0.00210	0.69770	562.0	16.0	568.0	13.0	524	57	568.0	13.0	1.1	Core
IOS1630_233	178	4.08	0.40700	0.02500	0.05480	0.00210	0.53661	346.0	18.0	344.0	13.0	330	110	344.0	13.0	0.6	Rim
IOS1630_233	674	3.63	0.86200	0.01600	0.10010	0.00150	0.53579	630.5	8.8	615.1	8.5	685	36	615.1	8.5	2.4	Core
IOS1630_234	388	7.55	0.40700	0.01600	0.05410	0.00150	0.66872	346.0	11.0	339.3	9.2	373	66	339.3	9.2	1.9	Rim
IOS1630_234	34.7	1.24	1.18300	0.07300	0.12990	0.00740	0.60602	790.0	35.0	787.0	42.0	790	100	787.0	42.0	0.4	Core
IOS1630_235	181	5.02	0.37300	0.01400	0.05000	0.00100	0.07525	321.0	11.0	314.2	6.3	348	88	314.2	6.3	2.1	Rim
IOS1630_235	392	4.14	0.59800	0.02100	0.06950	0.00150	0.62729	475.0	13.0	433.0	9.1	672	59	433.0	9.1	8.8	Core
IOS1630_236	808	11.92	0.35480	0.00680	0.04940	0.00058	0.45416	308.0	5.1	310.8	3.6	280	42	310.8	3.6	0.9	Rim
IOS1630_236	758.4	5.51	0.41600	0.01000	0.05520	0.00080	0.18275	353.1	7.4	346.4	4.9	386	57	346.4	4.9	1.9	Core
IOS1630_237	903	20.50	0.40100	0.00530	0.05366	0.00051	0.45183	342.1	3.9	336.9	3.1	371	29	336.9	3.1	1.5	Single Age
IOS1630_238	1117	38.70	0.36400	0.01200	0.05032	0.00098	0.51128	314.8	8.6	316.4	6.0	285	60	316.4	6.0	0.5	Rim
IOS1630_238	109.9	0.99	1.74100	0.04600	0.16930	0.00310	0.42453	1021.0	17.0	1008.0	17.0	1054	47	1008.0	17.0	1.3	Core
IOS1630_239	1905	3.92	0.35610	0.00400	0.04853	0.00031	0.24493	309.2	3.0	305.5	1.9	323	26	305.5	1.9	1.2	Single Age
IOS1630_240	272	10.50	0.38400	0.01100	0.05280	0.00100	0.32713	328.9	8.2	331.6	6.1	322	62	331.6	6.1	0.8	Single Age
IOS1630_241	251	11.60	0.37700	0.01100	0.05078	0.00075	0.35219	323.6	8.2	319.3	4.6	335	60	319.3	4.6	1.3	Single Age

Table A3, con't.

IOS1630_242	417	1.93	0.35920	0.00720	0.04964	0.00049	0.23072	311.1	5.4	312.3	3.0	291	44	312.3	3.0	0.4	Single Age
IOS1630_243	425.9	1.18	0.36520	0.00770	0.05069	0.00041	0.28539	315.5	5.7	318.7	2.5	278	44	318.7	2.5	1.0	Single Age
IOS1630_244	46.8	0.85	0.36700	0.02000	0.05100	0.00120	0.14566	315.0	15.0	320.3	7.4	270	110	320.3	7.4	1.7	Single Age
IOS1630_245	314	8.40	0.36120	0.00840	0.04930	0.00058	0.24674	312.4	6.3	310.2	3.5	317	51	310.2	3.5	0.7	Single Age
IOS1630_246	954	23.60	0.40650	0.00790	0.05531	0.00087	0.55080	347.1	6.0	347.0	5.3	333	37	347.0	5.3	0.0	Rim
IOS1630_246	250	3.90	0.59000	0.02800	0.07540	0.00190	0.53734	470.0	18.0	468.0	11.0	468	88	468.0	11.0	0.4	Core
IOS1630_247	632	33.00	0.37000	0.02600	0.05030	0.00260	0.51077	319.0	19.0	316.0	16.0	340	140	316.0	16.0	0.9	Single Age
IOS1630_248	474	1.71	0.36590	0.00610	0.05054	0.00051	0.15052	316.3	4.6	317.8	3.1	293	41	317.8	3.1	0.5	Single Age
IOS1630_249	160.9	1.89	5.07500	0.08100	0.31850	0.00540	0.45559	1831.0	14.0	1782.0	27.0	1892	32	1892.0	32.0	5.8	Single Age
IOS1630_250	807	44.60	0.36100	0.01000	0.04963	0.00089	0.29173	312.9	7.7	312.2	5.4	312	65	312.2	5.4	0.2	Rim
IOS1630_250	388	3.35	1.12100	0.02000	0.12270	0.00180	0.62458	762.4	9.6	746.0	10.0	810	34	746.0	10.0	2.2	Core
IOS1630_251	1340	133.00	0.37800	0.01200	0.05180	0.00100	0.50119	325.0	9.0	325.3	6.2	321	65	325.3	6.2	0.1	Rim
IOS1630_251	492	22.50	0.65300	0.01700	0.07990	0.00130	0.57566	509.0	10.0	495.4	7.5	587	46	495.4	7.5	2.7	Core
IOS1630_252	145.2	7.71	0.35700	0.02300	0.05070	0.00150	0.09386	310.0	17.0	318.6	9.3	250	150	318.6	9.3	2.8	Rim
IOS1630_252	380	3.55	0.55170	0.00870	0.07113	0.00064	0.21578	446.4	5.8	442.9	3.9	460	37	442.9	3.9	0.8	Core
IOS1630_253	1270	45.00	0.40900	0.01600	0.05490	0.00150	0.60275	348.0	12.0	344.6	9.3	351	71	344.6	9.3	1.0	Rim
IOS1630_253	357	1.62	1.14200	0.02500	0.12610	0.00190	0.42712	773.0	12.0	765.0	11.0	809	43	765.0	11.0	1.0	Core
IOS1630_254	881	19.50	0.36800	0.01300	0.05200	0.00160	0.15025	318.1	9.6	326.8	9.9	261	94	326.8	9.9	2.7	Rim
IOS1630_254	769	11.49	0.45530	0.00980	0.05863	0.00086	0.43368	380.5	6.8	367.3	5.3	461	45	367.3	5.3	3.5	Rim
IOS1630_254	664	5.45	0.63100	0.03100	0.07310	0.00160	0.18195	496.0	19.0	454.5	9.8	690	100	454.5	9.8	8.4	Core
IOS1630_255	660	9.20	0.36180	0.00600	0.04940	0.00042	0.36082	313.2	4.5	310.8	2.6	337	36	310.8	2.6	0.8	Single Age
IOS1630_256	583	7.40	0.36650	0.00940	0.05103	0.00082	0.48539	316.7	7.0	320.8	5.0	288	51	320.8	5.0	1.3	Rim
IOS1630_256	549	7.65	0.48700	0.01200	0.06230	0.00110	0.54178	402.6	8.1	389.4	6.7	484	47	389.4	6.7	3.3	Core
IOS1630_257	451	7.90	0.38700	0.01700	0.05240	0.00130	0.56502	332.0	12.0	329.4	8.1	344	77	329.4	8.1	0.8	Rim
IOS1630_257	392.8	1.46	0.72100	0.03000	0.08770	0.00290	0.63846	550.0	18.0	542.0	17.0	594	74	542.0	17.0	1.5	Core

Table A3, con't.

IOS1630_258	717	29.20	0.36000	0.01100	0.04983	0.00078	0.26603	311.5	8.2	313.4	4.8	299	68	313.4	4.8	0.6	Rim
IOS1630_258	252	4.43	1.00900	0.03600	0.08420	0.00220	0.63015	707.0	18.0	521.0	13.0	1361	54	DISC	DISC	26.3	Core
IOS1630_259	1056	9.12	0.45100	0.01300	0.05850	0.00210	0.58964	377.9	9.3	367.0	13.0	458	70	367.0	13.0	2.9	Rim
IOS1630_259	424	1.39	0.73100	0.01800	0.09090	0.00140	0.58690	556.0	10.0	560.6	8.4	537	45	560.6	8.4	0.8	Core
IOS1630_260	312	7.10	0.41600	0.01200	0.05510	0.00110	0.37020	352.0	8.8	345.5	6.5	401	63	345.5	6.5	1.8	Rim
IOS1630_260	1137	2.21	0.48500	0.01800	0.06260	0.00140	0.67829	401.0	12.0	391.4	8.5	469	54	391.4	8.5	2.4	Core
IOS1630_261	222	7.40	0.38000	0.01400	0.05170	0.00110	0.07986	326.0	11.0	325.2	6.7	336	90	325.2	6.7	0.2	Single Age
IOS1630_262	590	21.00	0.43400	0.03000	0.05440	0.00150	0.19583	365.0	22.0	341.3	8.9	520	160	341.3	8.9	6.5	Rim
IOS1630_262	128.6	0.38	11.15000	0.13000	0.45500	0.00490	0.39845	2535.0	11.0	2417.0	22.0	2641	21	2641.0	21.0	8.5	Core
IOS1630_263	1510	75.00	0.38200	0.01000	0.05210	0.00130	0.65832	328.3	7.4	327.0	7.8	344	46	327.0	7.8	0.4	Rim
IOS1630_263	106.3	1.26	1.26000	0.11000	0.14170	0.00340	0.31188	826.0	49.0	854.0	19.0	760	200	854.0	19.0	3.4	Core
IOS1630_264	669	16.13	0.36330	0.00760	0.04993	0.00066	0.45638	315.2	5.8	314.1	4.1	330	43	314.1	4.1	0.3	Single Age
IOS1630_265	1157	3.47	0.39470	0.00860	0.05060	0.00076	0.56679	337.5	6.3	318.2	4.7	481	40	318.2	4.7	5.7	Single Age
IOS1630_266	679	29.90	0.37460	0.00730	0.04956	0.00059	0.27137	322.6	5.4	311.8	3.6	409	42	311.8	3.6	3.3	Single Age
IOS1630_267	508	11.80	0.37200	0.01400	0.05240	0.00160	0.57103	321.0	10.0	329.0	10.0	270	75	329.0	10.0	2.5	Rim
IOS1630_267	360.5	1.06	0.60000	0.01500	0.07369	0.00096	0.44115	476.1	9.3	458.3	5.8	572	46	458.3	5.8	3.7	Core
IOS1630_268	196	4.10	0.37900	0.01200	0.05141	0.00066	0.13406	324.7	8.5	323.1	4.1	331	65	323.1	4.1	0.5	Single Age
IOS1630_269	731	9.34	0.39200	0.01900	0.05260	0.00170	0.47131	336.0	14.0	330.0	10.0	371	98	330.0	10.0	1.8	Rim
IOS1630_269	435	1.12	1.18300	0.02100	0.12440	0.00170	0.63588	791.7	9.8	755.4	9.8	909	31	755.4	9.8	4.6	Core
IOS1630_270	276	6.71	0.44300	0.01100	0.05642	0.00067	0.35595	371.5	7.7	353.8	4.1	478	51	353.8	4.1	4.8	Single Age
IOS1630_271	812	29.30	0.38400	0.01100	0.05286	0.00096	0.33426	329.6	8.2	332.0	5.9	314	63	332.0	5.9	0.7	Rim
IOS1630_271	498.4	10.47	1.05900	0.03800	0.11140	0.00300	0.83634	731.0	19.0	681.0	18.0	899	43	681.0	18.0	6.8	Core
IOS1630_272	663	5.15	0.35670	0.00580	0.04927	0.00044	0.33720	309.4	4.4	310.0	2.7	306	35	310.0	2.7	0.2	Single Age
IOS1630_273	534	15.80	0.40400	0.01600	0.05048	0.00071	0.19672	343.0	11.0	317.5	4.4	497	77	317.5	4.4	7.4	Rim
IOS1630_273	532	3.28	0.82200	0.07100	0.07430	0.00180	0.13757	603.0	37.0	462.0	11.0	1150	150	DISC	DISC	23.4	Core

Table A3, con't.

IOS1630_274	714	4.03	0.38500	0.01700	0.05300	0.00210	0.52537	330.0	13.0	333.0	13.0	315	95	333.0	13.0	0.9	Rim
IOS1630_274	436	3.47	7.10000	0.24000	0.30750	0.00950	0.94988	2112.0	30.0	1724.0	46.0	2532	18	DISC	DISC	31.9	Core
IOS1630_275	475	3.14	0.36440	0.00690	0.05010	0.00049	0.30659	315.0	5.2	315.1	3.0	313	42	315.1	3.0	0.0	Single Age
IOS1630_276	375	5.59	0.36720	0.00750	0.05081	0.00054	0.11719	317.0	5.6	319.5	3.3	298	47	319.5	3.3	0.8	Single Age
IOS1630_277	726	3.58	0.73600	0.01100	0.08659	0.00091	0.30126	560.5	6.8	535.3	5.4	661	32	535.3	5.4	4.5	Single Age
IOS1630_278	521	7.80	0.35730	0.00540	0.04868	0.00044	0.26599	309.9	4.0	306.4	2.7	327	33	306.4	2.7	1.1	Single Age
IOS1630_279	347	15.20	0.36010	0.00680	0.04992	0.00066	0.37197	311.8	5.1	314.0	4.0	307	43	314.0	4.0	0.7	Single Age
IOS1630_280	588	15.40	0.38100	0.02000	0.05260	0.00180	0.54755	327.0	15.0	331.0	11.0	296	95	331.0	11.0	1.2	Rim
IOS1630_280	490	1.58	0.60900	0.01800	0.07400	0.00130	0.55027	482.0	11.0	460.4	7.8	584	53	460.4	7.8	4.5	Core

SAMPLE NAME: IOS1638

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age Ma**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1638_2	1109	3.85	0.31210	0.00430	0.04664	0.00051	0.63674	275.6	3.3	293.8	3.1	330	25	293.8	3.1	6.6	Single Age
IOS1638_3	434	1.47	0.38940	0.00820	0.05335	0.00093	0.66052	333.3	6.0	335.0	5.7	308	36	335.0	5.7	0.5	Single Age
IOS1638_4	840	2.24	0.38850	0.00640	0.05272	0.00070	0.58315	332.9	4.7	331.1	4.3	328	32	331.1	4.3	0.5	Single Age
IOS1638_5	253	1.48	0.36780	0.00880	0.04845	0.00074	0.33700	318.2	6.7	304.9	4.5	412	52	304.9	4.5	4.2	Single Age
IOS1638_6	327	1.59	0.39320	0.00620	0.05427	0.00063	0.47734	336.9	4.6	340.7	3.8	292	33	340.7	3.8	1.1	Single Age
IOS1638_7	279	1.50	0.38120	0.00910	0.05309	0.00081	0.52091	327.1	6.6	333.4	5.0	266	46	333.4	5.0	1.9	Single Age
IOS1638_8	303	1.97	0.42000	0.01200	0.05154	0.00079	0.32361	354.9	8.1	323.9	4.9	531	57	323.9	4.9	8.7	Single Age
IOS1638_9	1000	1.86	0.40020	0.00560	0.05349	0.00067	0.53950	341.6	4.1	335.9	4.1	372	30	335.9	4.1	1.7	Single Age
IOS1638_10	698	2.29	0.32920	0.00830	0.04680	0.00096	0.57258	288.4	6.3	294.8	5.9	410	49	294.8	5.9	2.2	Single Age
IOS1638_11	283	1.25	0.38200	0.00660	0.05083	0.00065	0.37699	328.1	4.8	319.6	4.0	365	38	319.6	4.0	2.6	Single Age
IOS1638_12	158	1.86	0.38900	0.01200	0.05420	0.00140	0.39574	332.0	8.7	339.9	8.3	269	64	339.9	8.3	2.4	Single Age

Table A3, con't.

IOS1638_13	840	3.22	0.37040	0.00670	0.05233	0.00078	0.58096	319.5	5.0	328.7	4.8	227	33	328.7	4.8	2.9	Single Age
IOS1638_14	1500	2.75	0.37250	0.00600	0.05129	0.00069	0.65067	321.1	4.5	322.4	4.2	291	29	322.4	4.2	0.4	Single Age
IOS1638_15	539	1.34	0.37080	0.00620	0.05090	0.00050	0.26469	319.9	4.6	320.0	3.1	294	38	320.0	3.1	0.0	Single Age
IOS1638_16	1720	3.03	0.38370	0.00670	0.05238	0.00080	0.56059	330.0	5.0	329.0	4.9	314	35	329.0	4.9	0.3	Single Age
IOS1638_17	229	1.42	0.41980	0.00840	0.05485	0.00071	0.32441	355.4	6.0	344.2	4.4	411	47	344.2	4.4	3.2	Single Age
IOS1638_18	660	1.87	0.39680	0.00760	0.05282	0.00069	0.44044	338.9	5.5	331.8	4.2	363	40	331.8	4.2	2.1	Single Age
IOS1638_19	454	3.87	0.36020	0.00740	0.04997	0.00084	0.51029	311.9	5.5	314.3	5.1	268	45	314.3	5.1	0.8	Single Age
IOS1638_20	408	1.81	0.38870	0.00700	0.05239	0.00076	0.51634	332.9	5.1	329.1	4.7	338	36	329.1	4.7	1.1	Single Age
IOS1638_21	245	1.48	0.32430	0.00820	0.04791	0.00080	0.55167	284.5	6.2	301.6	5.0	311	45	301.6	5.0	6.0	Single Age
IOS1638_22	45.07	1.21	1.38300	0.03700	0.05730	0.00110	0.41335	878.0	16.0	359.0	6.5	2586	43	DISC	DISC	59.1	Single Age
IOS1638_23	1550	4.91	0.38280	0.00710	0.05153	0.00072	0.18943	328.8	5.2	323.8	4.4	349	46	323.8	4.4	1.5	Single Age
IOS1638_24	847	2.12	0.38020	0.00550	0.05185	0.00062	0.50264	326.9	4.0	325.8	3.8	312	30	325.8	3.8	0.3	Single Age
IOS1638_25	1135	2.31	0.40190	0.00540	0.05450	0.00067	0.45914	342.9	3.9	342.7	4.3	322	29	342.7	4.3	0.1	Single Age
IOS1638_26	731	1.67	0.40100	0.00910	0.05242	0.00099	0.56269	341.8	6.6	329.3	6.1	411	47	329.3	6.1	3.7	Single Age
IOS1638_27	527	1.72	0.37240	0.00530	0.05079	0.00060	0.58794	321.1	3.9	319.3	3.7	314	28	319.3	3.7	0.6	Single Age
IOS1638_28	662	1.37	0.37690	0.00610	0.05151	0.00059	0.37996	324.4	4.5	323.8	3.6	303	36	323.8	3.6	0.2	Single Age
IOS1638_29	840	7.20	0.31540	0.00810	0.04660	0.00100	0.63275	278.4	6.4	293.6	6.3	324	47	293.6	6.3	5.5	Single Age
IOS1638_30	651	3.33	0.37330	0.00740	0.05156	0.00098	0.71252	321.6	5.5	324.0	6.0	278	32	324.0	6.0	0.7	Single Age
IOS1638_31	918	2.80	0.40500	0.02700	0.05400	0.00320	0.53988	343.0	19.0	339.0	19.0	370	120	339.0	19.0	1.2	Single Age
IOS1638_33	207	2.23	0.39500	0.01600	0.05206	0.00097	0.38421	336.0	11.0	327.0	6.0	367	67	327.0	6.0	2.7	Single Age
IOS1638_34	256	1.51	0.36680	0.00790	0.05057	0.00078	0.47222	316.6	5.9	317.9	4.8	292	43	317.9	4.8	0.4	Single Age
IOS1638_36	139	1.38	0.38530	0.00920	0.05311	0.00080	0.23798	330.2	6.7	333.5	4.9	299	54	333.5	4.9	1.0	Single Age
IOS1638_37	581	2.90	0.37820	0.00810	0.05294	0.00087	0.53364	325.2	6.0	332.5	5.3	260	42	332.5	5.3	2.2	Single Age
IOS1638_38	127.3	7.24	0.42800	0.02300	0.05200	0.00260	0.55666	357.0	16.0	326.0	16.0	540	100	326.0	16.0	8.7	Single Age
IOS1638_39	586	1.52	0.37780	0.00640	0.05158	0.00068	0.50398	325.0	4.7	324.1	4.2	322	34	324.1	4.2	0.3	Single Age

Table A3, con't.

IOS1638_40	420	1.38	0.38000	0.00730	0.05232	0.00078	0.47442	326.5	5.3	328.7	4.8	296	40	328.7	4.8	0.7	Single Age
IOS1638_41	202	2.40	0.40700	0.02000	0.05220	0.00190	0.19740	344.0	14.0	328.0	11.0	440	100	328.0	11.0	4.7	Single Age
IOS1638_42	1530	4.26	0.39900	0.00610	0.05397	0.00065	0.51059	340.7	4.4	338.8	4.0	349	33	338.8	4.0	0.6	Single Age
IOS1638_43	54.79	3.68	1.06900	0.03300	0.05128	0.00089	0.44900	735.0	16.0	322.3	5.5	2335	48	DISC	DISC	56.1	Single Age
IOS1638_45	603	15.56	0.38240	0.00760	0.05444	0.00099	0.59566	328.2	5.6	341.6	6.1	242	38	341.6	6.1	4.1	Single Age
IOS1638_46	543	2.60	0.38540	0.00740	0.05351	0.00082	0.44323	330.4	5.4	336.0	5.0	287	38	336.0	5.0	1.7	Single Age
IOS1638_47	299	1.29	0.31670	0.00680	0.04778	0.00072	0.35083	279.0	5.2	300.8	4.5	308	47	300.8	4.5	7.8	Single Age
IOS1638_48	1840	20.41	0.30070	0.00390	0.04682	0.00052	0.59934	266.8	3.0	295.0	3.2	314	25	DISC	DISC	10.6	Single Age
IOS1638_49	711	2.91	0.42600	0.00980	0.05840	0.00120	0.52669	359.8	6.9	365.5	7.3	311	48	365.5	7.3	1.6	Single Age
IOS1638_50	320	1.37	0.37650	0.00790	0.05217	0.00074	0.44611	324.5	6.0	327.8	4.6	289	44	327.8	4.6	1.0	Single Age
IOS1638_51	2420	3.21	0.37560	0.00640	0.05270	0.00081	0.75328	323.4	4.8	331.0	5.0	268	27	331.0	5.0	2.4	Single Age
IOS1638_52	214	1.46	0.37590	0.00700	0.05156	0.00056	0.34799	323.5	5.2	324.0	3.4	320	40	324.0	3.4	0.2	Single Age
IOS1638_53	432	1.59	0.36130	0.00790	0.05070	0.00100	0.53022	312.6	5.9	318.5	6.3	278	45	318.5	6.3	1.9	Single Age
IOS1638_54	167.1	1.80	0.39030	0.00910	0.05337	0.00096	0.32841	334.6	6.8	335.1	5.9	329	53	335.1	5.9	0.1	Single Age
IOS1638_55	1480	13.90	0.35820	0.00710	0.04892	0.00076	0.59959	311.3	5.5	307.8	4.6	350	37	307.8	4.6	1.1	Single Age
IOS1638_56	770	2.11	0.39890	0.00860	0.05264	0.00085	0.54429	340.2	6.2	330.6	5.2	408	40	330.6	5.2	2.8	Single Age
IOS1638_57	421	2.18	0.41080	0.00860	0.05432	0.00064	0.36108	348.8	6.1	340.9	3.9	399	43	340.9	3.9	2.3	Single Age
IOS1638_58	819	4.21	0.38330	0.00710	0.05315	0.00096	0.46965	329.6	5.3	333.8	5.9	305	39	333.8	5.9	1.3	Single Age
IOS1638_59	214	1.27	0.37450	0.00790	0.05086	0.00072	0.55146	322.5	5.8	319.7	4.4	350	40	319.7	4.4	0.9	Single Age
IOS1638_60	394	1.45	0.36860	0.00750	0.05170	0.00100	0.57936	318.1	5.6	325.0	6.1	275	39	325.0	6.1	2.2	Single Age
IOS1638_61	237.7	1.26	0.36110	0.00730	0.05067	0.00067	0.29490	312.5	5.4	318.6	4.1	272	46	318.6	4.1	2.0	Single Age
IOS1638_62	184.5	1.21	0.36990	0.00790	0.05156	0.00071	0.32983	319.0	5.9	324.0	4.4	288	46	324.0	4.4	1.6	Single Age
IOS1638_63	519	5.41	0.39000	0.01000	0.05080	0.00110	0.51179	334.3	7.8	319.5	6.6	462	54	319.5	6.6	4.4	Single Age
IOS1638_64	325	2.48	0.68400	0.07000	0.05390	0.00100	0.80706	505.0	37.0	338.6	6.2	1240	150	DISC	DISC	33.0	Single Age
IOS1638_65	161	1.80	0.36850	0.00820	0.05125	0.00058	0.28616	317.9	6.1	322.2	3.5	298	47	322.2	3.5	1.4	Single Age

Table A3, con't.

IOS1638_66	187	1.35	0.37190	0.00710	0.05238	0.00071	0.34034	320.6	5.3	329.0	4.3	279	42	329.0	4.3	2.6	Single Age
IOS1638_67	197	1.29	0.38170	0.00860	0.05358	0.00054	0.30052	328.3	6.2	336.4	3.3	284	45	336.4	3.3	2.5	Single Age
IOS1638_68	590	11.80	0.15650	0.00940	0.02369	0.00093	0.59783	147.6	8.2	150.9	5.9	278	99	150.9	5.9	2.2	Rim
IOS1638_68	1360	2.86	0.30460	0.00390	0.04591	0.00049	0.49464	269.8	3.0	289.3	3.0	325	26	289.3	3.0	7.2	Core
IOS1638_69	326	2.85	0.37220	0.00740	0.05081	0.00072	0.39154	320.7	5.5	319.4	4.4	334	43	319.4	4.4	0.4	Single Age
IOS1638_70	455	1.37	0.38370	0.00650	0.05307	0.00052	0.38280	329.4	4.7	333.3	3.2	308	35	333.3	3.2	1.2	Single Age
IOS1638_71	664	1.81	0.38110	0.00480	0.05317	0.00055	0.41050	327.6	3.6	333.9	3.4	304	28	333.9	3.4	1.9	Single Age
IOS1638_72	202	1.27	0.37680	0.00640	0.05112	0.00051	0.25038	324.2	4.7	321.3	3.1	355	44	321.3	3.1	0.9	Single Age
IOS1638_73	271	1.37	0.36980	0.00720	0.05175	0.00054	0.34825	319.0	5.3	325.2	3.3	280	40	325.2	3.3	1.9	Single Age
IOS1638_74	1400	4.32	0.39670	0.00420	0.05511	0.00054	0.48439	339.5	3.1	345.8	3.3	309	24	345.8	3.3	1.9	Single Age
IOS1638_75	325	1.34	0.37920	0.00680	0.05127	0.00045	0.37235	325.9	5.0	322.3	2.8	359	37	322.3	2.8	1.1	Single Age
IOS1638_76	332	1.35	0.38280	0.00800	0.05220	0.00060	0.43224	328.5	5.9	328.0	3.7	335	41	328.0	3.7	0.2	Single Age
IOS1638_77	298	1.93	0.36290	0.00700	0.05012	0.00056	0.42333	314.7	5.4	315.2	3.4	336	42	315.2	3.4	0.2	Single Age
IOS1638_78	5.77	-119.00	0.05200	0.03400	0.00370	0.00120	0.13527	47.0	32.0	23.8	7.5	-5000	4800	DISC	DISC	49.4	Rim
IOS1638_78	130.5	2.14	0.36900	0.01000	0.05129	0.00089	0.40069	318.4	7.5	322.4	5.4	280	59	322.4	5.4	1.3	Core
IOS1638_79	211	1.33	0.37160	0.00660	0.05169	0.00051	0.31614	320.4	4.9	324.9	3.1	287	39	324.9	3.1	1.4	Single Age
IOS1638_80	321	2.32	0.38090	0.00550	0.05277	0.00055	0.24554	327.4	4.1	331.5	3.3	299	36	331.5	3.3	1.3	Single Age
IOS1638_81	274	1.97	0.38070	0.00680	0.05296	0.00051	0.34597	327.7	4.9	332.6	3.1	289	38	332.6	3.1	1.5	Single Age
IOS1638_82	1119	2.00	0.40480	0.00510	0.05549	0.00058	0.44069	345.0	3.7	348.1	3.5	321	28	348.1	3.5	0.9	Single Age
IOS1638_83	365	1.87	0.38840	0.00710	0.05232	0.00051	0.20262	332.7	5.2	328.8	3.1	357	41	328.8	3.1	1.2	Single Age
IOS1638_84	147.8	1.15	0.38820	0.00920	0.05205	0.00053	0.23222	332.3	6.7	327.1	3.3	363	50	327.1	3.3	1.6	Single Age
IOS1638_85	204	1.61	0.38160	0.00810	0.05275	0.00053	0.26703	328.3	6.1	331.4	3.3	303	48	331.4	3.3	0.9	Single Age
IOS1638_86	318	1.39	0.41600	0.01300	0.05104	0.00056	0.29866	352.9	9.2	320.9	3.4	548	61	320.9	3.4	9.1	Single Age
IOS1638_87	365	3.92	0.38630	0.00560	0.05232	0.00047	0.34777	331.4	4.1	328.7	2.9	337	33	328.7	2.9	0.8	Single Age
IOS1638_88	640	1.44	0.41360	0.00880	0.05690	0.00100	0.48738	351.2	6.3	356.9	6.2	315	45	356.9	6.2	1.6	Single Age

Table A3, con't.

IOS1638_89	136.6	1.28	0.35610	0.00830	0.04973	0.00064	0.16870	308.7	6.2	312.8	3.9	280	53	312.8	3.9	1.3	Single Age
IOS1638_90	254	1.25	0.38770	0.00700	0.05199	0.00052	0.31589	332.8	5.2	326.7	3.2	364	41	326.7	3.2	1.8	Single Age
IOS1638_91	105.8	1.10	0.43300	0.01100	0.05834	0.00077	0.38830	364.5	7.6	365.5	4.7	351	50	365.5	4.7	0.3	Single Age
IOS1638_92	403	1.15	0.38650	0.00640	0.05348	0.00055	0.36921	331.4	4.7	335.8	3.3	301	35	335.8	3.3	1.3	Single Age
IOS1638_93	172	1.72	0.38460	0.00830	0.05244	0.00050	0.31251	329.7	6.1	329.5	3.1	336	46	329.5	3.1	0.1	Single Age
IOS1638_94	202	1.66	0.39520	0.00890	0.05362	0.00061	0.33714	337.5	6.4	336.7	3.7	331	47	336.7	3.7	0.2	Single Age
IOS1638_95	293	3.00	0.40650	0.00870	0.05600	0.00080	0.53289	346.4	6.4	351.2	4.8	311	39	351.2	4.8	1.4	Single Age
IOS1638_96	195.1	1.15	0.46400	0.02100	0.05120	0.00053	0.24470	384.0	14.0	321.8	3.3	754	93	DISC	DISC	16.2	Single Age
IOS1638_97	184.9	1.41	0.36390	0.00680	0.05120	0.00050	0.38552	314.7	5.1	321.8	3.1	268	39	321.8	3.1	2.3	Single Age
IOS1638_98	173	1.23	0.39250	0.00870	0.05470	0.00063	0.25650	335.5	6.4	343.2	3.8	286	47	343.2	3.8	2.3	Single Age
IOS1638_99	452	1.25	0.37840	0.00620	0.05240	0.00062	0.40250	325.6	4.5	329.2	3.8	304	36	329.2	3.8	1.1	Single Age
IOS1638_100	239.8	1.25	0.76000	0.04600	0.05421	0.00084	0.43224	568.0	26.0	340.3	5.1	1600	100	DISC	DISC	40.1	Single Age
IOS1638_101	76.9	1.79	0.39200	0.01100	0.05304	0.00076	0.23052	335.0	7.9	333.1	4.6	343	60	333.1	4.6	0.6	Single Age
IOS1638_102	422	1.49	0.38410	0.00540	0.05263	0.00051	0.26807	329.7	4.0	330.6	3.1	329	34	330.6	3.1	0.3	Single Age
IOS1638_104	366	1.36	0.38200	0.00550	0.05315	0.00047	0.34861	328.2	4.0	333.8	2.9	286	32	333.8	2.9	1.7	Single Age
IOS1638_105	429	2.57	0.38040	0.00620	0.05178	0.00060	0.43139	326.9	4.6	325.4	3.7	338	36	325.4	3.7	0.5	Single Age
IOS1638_106	255.2	1.16	0.37030	0.00630	0.05172	0.00051	0.18185	319.5	4.7	325.0	3.2	282	39	325.0	3.2	1.7	Single Age
IOS1638_107	400	2.07	0.39500	0.00700	0.05464	0.00055	0.28867	337.6	5.1	342.9	3.3	291	38	342.9	3.3	1.6	Single Age
IOS1638_108	670	2.38	0.37980	0.00440	0.05179	0.00042	0.50527	326.7	3.2	325.5	2.6	337	24	325.5	2.6	0.4	Single Age
IOS1638_109	166	1.47	0.38740	0.00980	0.05312	0.00060	0.09255	332.5	7.0	333.6	3.7	321	55	333.6	3.7	0.3	Single Age
IOS1638_110	545	2.04	0.30080	0.00410	0.04490	0.00047	0.50221	266.8	3.2	283.1	2.9	311	26	283.1	2.9	6.1	Single Age
IOS1638_111	259	1.18	0.38150	0.00720	0.05220	0.00056	0.32626	328.2	5.4	328.0	3.4	321	41	328.0	3.4	0.1	Single Age
IOS1638_112	210	1.69	0.36460	0.00670	0.05077	0.00056	0.33575	315.2	4.9	319.2	3.4	296	37	319.2	3.4	1.3	Single Age
IOS1638_114	173.6	1.60	0.38360	0.00710	0.05167	0.00058	0.27684	329.2	5.2	324.8	3.6	354	42	324.8	3.6	1.3	Single Age
IOS1638_115	358	2.37	0.38080	0.00640	0.05215	0.00049	0.26441	327.2	4.7	327.7	3.0	311	38	327.7	3.0	0.2	Single Age

Table A3, con't.

IOS1638_116	291.3	1.15	0.37450	0.00590	0.05147	0.00056	0.33418	322.6	4.4	323.5	3.4	308	36	323.5	3.4	0.3	Single Age
IOS1638_117	583	1.69	0.39500	0.00940	0.05232	0.00081	0.51624	337.5	6.8	328.7	5.0	384	45	328.7	5.0	2.6	Single Age
IOS1638_118	763	2.72	0.37260	0.00680	0.05227	0.00087	0.66257	321.1	5.1	328.4	5.3	270	32	328.4	5.3	2.3	Single Age
IOS1638_119	534	2.39	0.38000	0.01200	0.05215	0.00072	0.39851	324.5	5.6	327.7	4.4	321	67	327.7	4.4	1.0	Single Age
IOS1638_121	314	7.40	0.39060	0.00650	0.05331	0.00065	0.25360	334.4	4.7	334.8	4.0	330	36	334.8	4.0	0.1	Single Age
IOS1638_122	610	1.47	0.32290	0.00620	0.04703	0.00082	0.57033	283.8	4.8	296.2	5.0	361	36	296.2	5.0	4.4	Single Age
IOS1638_123	468	1.67	0.39280	0.00470	0.05413	0.00046	0.44104	336.2	3.4	339.8	2.8	305	26	339.8	2.8	1.1	Single Age
IOS1638_124	2020	4.29	0.36030	0.00710	0.05160	0.00110	0.65672	312.1	5.3	324.2	6.6	221	37	324.2	6.6	3.9	Single Age
IOS1638_125	562	1.39	0.39460	0.00740	0.05313	0.00054	0.32360	337.4	5.4	333.7	3.3	346	42	333.7	3.3	1.1	Single Age
IOS1638_126	279	3.62	0.38030	0.00960	0.05315	0.00087	0.33642	326.5	7.1	333.8	5.3	269	54	333.8	5.3	2.2	Single Age
IOS1638_127	3380	5.51	0.38060	0.00560	0.05115	0.00074	0.72011	327.3	4.1	321.5	4.5	361	23	321.5	4.5	1.8	Single Age
IOS1638_128	1550	3.31	0.37600	0.00400	0.05152	0.00050	0.55913	324.0	2.9	323.8	3.1	313	23	323.8	3.1	0.1	Single Age
IOS1638_129	1310	2.63	0.36580	0.00730	0.05140	0.00091	0.41762	316.0	5.4	323.0	5.6	269	46	323.0	5.6	2.2	Single Age
IOS1638_130	282	1.07	0.31290	0.00620	0.04648	0.00049	0.40000	276.7	4.6	292.8	3.0	328	41	292.8	3.0	5.8	Single Age
IOS1638_132	194	1.27	0.39120	0.00790	0.05086	0.00053	0.21081	334.7	5.7	319.8	3.3	433	46	319.8	3.3	4.5	Single Age
IOS1638_133	1190	3.39	0.37440	0.00490	0.05253	0.00047	0.43469	323.2	3.7	330.0	2.9	262	27	330.0	2.9	2.1	Single Age
IOS1638_134	571	1.50	0.37290	0.00730	0.05159	0.00070	0.35429	321.3	5.4	324.2	4.3	300	42	324.2	4.3	0.9	Single Age
IOS1638_135	122.5	1.87	0.39300	0.01100	0.05271	0.00098	0.20148	336.4	8.3	331.1	6.0	357	66	331.1	6.0	1.6	Single Age
IOS1638_136	343	1.20	0.36670	0.00640	0.05180	0.00058	0.37464	316.8	4.8	325.5	3.6	247	37	325.5	3.6	2.7	Single Age
IOS1638_137	1125	34.90	0.38700	0.00590	0.05231	0.00070	0.50236	331.8	4.3	328.6	4.3	345	33	328.6	4.3	1.0	Single Age
IOS1638_138	231.9	1.31	0.37680	0.00800	0.05275	0.00078	0.39779	324.0	5.9	331.9	4.7	276	42	331.9	4.7	2.4	Single Age
IOS1638_139	306	1.37	0.38160	0.00900	0.05094	0.00099	0.55571	327.5	6.6	320.2	6.1	366	46	320.2	6.1	2.2	Single Age
IOS1638_140	582	2.25	0.39040	0.00700	0.05291	0.00083	0.53142	334.9	5.0	332.3	5.1	352	36	332.3	5.1	0.8	Single Age
IOS1638_141	435	1.44	0.31090	0.00620	0.04680	0.00073	0.47746	274.5	4.8	294.8	4.5	306	42	294.8	4.5	7.4	Single Age
IOS1638_142	237	2.05	0.37320	0.00730	0.05205	0.00074	0.39287	321.6	5.3	327.1	4.5	280	42	327.1	4.5	1.7	Single Age

Table A3, con't.

SAMPLE NAME: IOS1639																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age Ma**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1639_1	325	5.79	0.37880	0.00700	0.05237	0.00064	0.37494	325.7	5.1	329.0	3.9	292	38	329.0	3.9	1.0	Single Age
IOS1639_2	495	1.21	0.39660	0.00510	0.05191	0.00040	0.24217	339.0	3.7	326.2	2.4	415	28	326.2	2.4	3.8	Single Age
IOS1639_4	1000	3.08	0.38700	0.01500	0.04749	0.00077	0.34875	330.0	10.0	299.0	4.7	484	56	299.0	4.7	9.4	Single Age
IOS1639_5	515	2.27	0.37840	0.00640	0.05164	0.00057	0.48608	325.4	4.7	324.5	3.5	322	36	324.5	3.5	0.3	Single Age
IOS1639_6	271	1.96	0.41390	0.00890	0.05637	0.00083	0.53070	350.8	6.4	353.4	5.1	333	38	353.4	5.1	0.7	Single Age
IOS1639_7	602	3.94	0.35710	0.00440	0.04961	0.00048	0.40931	309.8	3.3	312.1	3.0	290	26	312.1	3.0	0.7	Single Age
IOS1639_8	674	2.30	0.39300	0.00670	0.05060	0.00047	0.13090	336.1	4.8	318.2	2.9	446	37	318.2	2.9	5.3	Single Age
IOS1639_9	741	1.52	0.40470	0.00810	0.05520	0.00110	0.70680	344.6	5.8	346.2	6.5	324	32	346.2	6.5	0.5	Single Age
IOS1639_10	1690	3.36	0.38300	0.00610	0.05227	0.00071	0.78310	328.8	4.5	328.4	4.4	319	23	328.4	4.4	0.1	Single Age
IOS1639_11	433	2.95	0.36540	0.00630	0.05063	0.00061	0.44779	315.8	4.7	318.3	3.8	291	37	318.3	3.8	0.8	Single Age
IOS1639_12	477	1.44	0.39880	0.00620	0.05254	0.00056	0.50614	340.4	4.5	330.0	3.4	396	31	330.0	3.4	3.1	Single Age
IOS1639_13	1060	5.88	0.38110	0.00580	0.05145	0.00062	0.57534	327.5	4.2	323.4	3.8	333	29	323.4	3.8	1.3	Single Age
IOS1639_14	553	1.54	0.38230	0.00640	0.05249	0.00065	0.52855	328.3	4.7	329.7	4.0	299	34	329.7	4.0	0.4	Single Age
IOS1639_15	503	2.20	0.43300	0.01400	0.05389	0.00067	0.64654	361.9	8.9	338.3	4.1	492	53	338.3	4.1	6.5	Single Age
IOS1639_16	209	2.63	0.48100	0.01100	0.05421	0.00067	0.01541	397.9	7.5	340.3	4.1	734	56	DISC	DISC	14.5	Single Age
IOS1639_17	548	6.85	0.33410	0.00640	0.04642	0.00066	0.28208	292.2	4.8	292.5	4.1	469	41	292.5	4.1	0.1	Single Age
IOS1639_18	333	1.84	0.38570	0.00810	0.05281	0.00088	0.46239	330.6	5.9	331.7	5.4	329	45	331.7	5.4	0.3	Single Age
IOS1639_19	699	2.11	0.37160	0.00420	0.05025	0.00040	0.39710	320.7	3.1	316.0	2.5	341	26	316.0	2.5	1.5	Single Age
IOS1639_20	400	2.07	0.37440	0.00580	0.05208	0.00053	0.53501	322.6	4.3	327.2	3.3	285	28	327.2	3.3	1.4	Single Age
IOS1639_21	288	2.69	0.39500	0.00890	0.05184	0.00071	0.19622	337.5	6.5	325.8	4.3	406	53	325.8	4.3	3.5	Single Age

Table A3, con't.

IOS1639_22	269	2.12	0.86800	0.01500	0.10420	0.00130	0.31650	633.7	8.1	638.8	7.9	613	41	638.8	7.9	0.8	Single Age
IOS1639_23	252	1.78	0.38480	0.00650	0.05345	0.00052	0.38438	330.1	4.7	335.7	3.2	284	35	335.7	3.2	1.7	Single Age
IOS1639_24	995	4.86	0.62100	0.06200	0.05490	0.00110	0.77549	464.0	28.0	344.6	6.6	1020	110	DISC	DISC	25.7	Single Age
IOS1639_25	1611	1.22	0.42200	0.01200	0.05478	0.00064	0.58043	356.6	8.3	343.8	3.9	432	42	343.8	3.9	3.6	Single Age
IOS1639_26	811	1.11	0.37700	0.00450	0.05217	0.00045	0.56893	324.6	3.3	327.8	2.8	304	23	327.8	2.8	1.0	Single Age
IOS1639_27	646	1.39	0.38430	0.00630	0.05312	0.00077	0.66471	329.8	4.6	333.6	4.7	315	33	333.6	4.7	1.2	Single Age
IOS1639_28	855	1.31	0.38530	0.00490	0.05312	0.00050	0.45781	330.7	3.6	333.6	3.1	312	26	333.6	3.1	0.9	Single Age
IOS1639_29	912	1.42	0.36610	0.00540	0.05036	0.00063	0.55798	316.5	4.0	316.7	3.9	320	31	316.7	3.9	0.1	Single Age
IOS1639_30	1234	1.34	0.38550	0.00500	0.05214	0.00057	0.30617	330.8	3.7	327.6	3.5	353	25	327.6	3.5	1.0	Single Age
IOS1639_31	941	1.80	0.41010	0.00860	0.05510	0.00074	0.30657	348.3	6.0	345.7	4.5	357	41	345.7	4.5	0.7	Single Age
IOS1639_32	948	1.91	0.38250	0.00790	0.05051	0.00083	0.59892	328.6	5.8	317.6	5.1	408	39	317.6	5.1	3.3	Single Age
IOS1639_33	1317	1.36	0.38670	0.00550	0.05076	0.00053	0.53954	331.7	4.0	319.2	3.2	419	27	319.2	3.2	3.8	Single Age
IOS1639_34	571	1.85	0.41080	0.00980	0.05282	0.00086	0.38047	348.6	7.0	331.7	5.3	467	51	331.7	5.3	4.8	Single Age
IOS1639_35	657	1.43	0.39210	0.00660	0.05346	0.00052	0.27099	335.4	4.8	335.7	3.2	325	39	335.7	3.2	0.1	Single Age
IOS1639_36	619	1.72	0.38150	0.00570	0.05217	0.00055	0.48787	327.8	4.2	327.8	3.4	333	31	327.8	3.4	0.0	Single Age
IOS1639_37	182	2.56	0.50900	0.02400	0.05360	0.00100	0.08969	415.0	15.0	336.7	6.3	857	79	DISC	DISC	18.9	Rim
IOS1639_37	187	2.81	0.90000	0.04800	0.09380	0.00210	0.52193	648.0	25.0	578.0	12.0	900	86	DISC	DISC	10.8	Core
IOS1639_38	527	2.01	0.36850	0.00730	0.05111	0.00073	0.53853	318.7	5.5	321.3	4.5	311	36	321.3	4.5	0.8	Single Age
IOS1639_39	340	1.82	0.44900	0.01200	0.05671	0.00064	0.52159	375.4	8.5	355.6	3.9	496	50	355.6	3.9	5.3	Single Age
IOS1639_40	939	1.61	0.37170	0.00770	0.05159	0.00082	0.67473	320.3	5.7	324.2	5.0	310	36	324.2	5.0	1.2	Single Age
IOS1639_41	79.7	2.70	0.80000	0.02000	0.09240	0.00120	0.43880	595.0	11.0	569.4	7.4	705	53	569.4	7.4	4.3	Single Age
IOS1639_42	812	1.14	0.29960	0.00460	0.04493	0.00059	0.50915	265.9	3.6	283.3	3.6	324	32	283.3	3.6	6.5	Single Age
IOS1639_43	81.8	0.86	11.29000	0.19000	0.46390	0.00680	0.73955	2547.0	15.0	2455.0	30.0	2627	19	2627.0	19.0	6.5	Single Age
IOS1639_44	178	2.05	0.37290	0.00950	0.05319	0.00099	0.45338	322.0	7.2	334.0	6.1	249	52	334.0	6.1	3.7	Single Age
IOS1639_45	839	1.43	0.38240	0.00510	0.05279	0.00068	0.39797	328.5	3.8	331.6	4.2	315	33	331.6	4.2	0.9	Single Age

Table A3, con’t.

IOS1639_46	210	2.01	0.39300	0.01100	0.05420	0.00120	0.37532	336.3	7.8	340.0	7.2	329	62	340.0	7.2	1.1	Single Age
IOS1639_47	453	3.30	0.46000	0.02800	0.05184	0.00082	0.49530	375.0	15.0	325.7	5.0	627	58	DISC	DISC	13.1	Single Age
IOS1639_48	148.8	2.67	0.38700	0.01000	0.05208	0.00071	0.37926	331.3	7.3	327.2	4.4	360	55	327.2	4.4	1.2	Single Age
IOS1639_49	571	2.04	0.41000	0.01200	0.05530	0.00170	0.51408	347.9	8.6	347.0	10.0	378	60	347.0	10.0	0.3	Single Age
IOS1639_50	492	1.69	0.37100	0.00650	0.05186	0.00074	0.49518	320.0	4.8	325.9	4.5	282	36	325.9	4.5	1.8	Single Age
IOS1639_51	704	2.10	0.47800	0.01100	0.05568	0.00096	0.54680	395.5	7.2	349.2	5.9	694	44	DISC	DISC	11.7	Single Age
IOS1639_52	959	2.09	0.42800	0.01200	0.05170	0.00130	0.63768	361.2	8.4	324.5	8.1	593	51	DISC	DISC	10.2	Single Age
IOS1639_53	906	1.34	0.38500	0.00660	0.05160	0.00066	0.46147	330.3	4.8	324.3	4.1	380	34	324.3	4.1	1.8	Single Age
IOS1639_54	819	2.51	0.39450	0.00780	0.05124	0.00096	0.40794	337.0	5.6	322.0	5.9	461	45	322.0	5.9	4.5	Single Age
IOS1639_55	965	1.17	0.32300	0.00550	0.04786	0.00076	0.59689	283.9	4.2	301.3	4.7	346	33	301.3	4.7	6.1	Single Age
IOS1639_56	1020	2.80	0.38930	0.00540	0.05350	0.00058	0.49292	333.6	4.0	335.9	3.5	319	28	335.9	3.5	0.7	Single Age
IOS1639_57	281	1.79	0.38810	0.00930	0.05400	0.00110	0.45811	332.1	6.8	339.2	6.6	288	51	339.2	6.6	2.1	Single Age
IOS1639_58	524	1.75	0.39110	0.00730	0.05384	0.00085	0.52569	334.7	5.3	338.0	5.2	314	39	338.0	5.2	1.0	Single Age
IOS1639_59	254	1.90	0.38310	0.00810	0.05252	0.00066	0.29707	328.7	5.9	329.9	4.0	300	47	329.9	4.0	0.4	Single Age
IOS1639_60	627	1.41	0.39130	0.00570	0.05355	0.00067	0.59266	335.0	4.1	336.2	4.1	319	29	336.2	4.1	0.4	Single Age
IOS1639_61	574	1.56	0.37980	0.00650	0.05326	0.00087	0.53988	326.4	4.8	334.4	5.3	271	37	334.4	5.3	2.5	Single Age
IOS1639_62	761	2.93	0.38590	0.00570	0.05347	0.00063	0.42330	331.0	4.2	335.8	3.9	291	28	335.8	3.9	1.5	Single Age
IOS1639_63	220.3	4.97	0.36900	0.01400	0.04691	0.00073	0.25896	317.0	10.0	295.5	4.5	623	64	295.5	4.5	6.8	Single Age
IOS1639_64	260	2.40	0.37870	0.00740	0.05205	0.00061	0.25567	325.5	5.5	327.1	3.8	301	44	327.1	3.8	0.5	Single Age
IOS1639_65	673	1.47	0.39440	0.00630	0.05269	0.00067	0.59341	337.2	4.6	331.0	4.1	374	30	331.0	4.1	1.8	Single Age
IOS1639_66	585	2.17	0.38740	0.00870	0.05350	0.00120	0.61844	331.7	6.4	335.8	7.5	289	46	335.8	7.5	1.2	Single Age
IOS1639_67	683	3.39	0.37830	0.00640	0.05231	0.00072	0.55625	325.3	4.7	328.6	4.4	283	34	328.6	4.4	1.0	Single Age
IOS1639_68	236.6	4.34	0.99900	0.02100	0.11650	0.00210	0.57300	702.0	11.0	710.0	12.0	659	40	710.0	12.0	1.1	Single Age
IOS1639_69	840	1.24	0.39350	0.00560	0.05448	0.00067	0.49073	336.6	4.1	341.9	4.1	297	31	341.9	4.1	1.6	Single Age
IOS1639_70	135.7	3.09	1.27300	0.03500	0.13130	0.00290	0.69381	832.0	15.0	795.0	16.0	912	42	795.0	16.0	4.4	Single Age

Table A3, con’t.

IOS1639_71	356	2.40	0.38000	0.01000	0.05190	0.00110	0.47884	326.7	7.5	325.9	6.4	309	55	325.9	6.4	0.2	Single Age
IOS1639_72	820	4.23	0.42070	0.00800	0.05297	0.00075	0.47827	355.9	5.6	332.7	4.6	488	38	332.7	4.6	6.5	Single Age
IOS1639_73	256.7	2.01	0.40230	0.00620	0.05355	0.00058	0.25510	343.5	4.3	336.2	3.5	370	37	336.2	3.5	2.1	Single Age
IOS1639_74	555	3.02	0.37000	0.01100	0.05150	0.00170	0.51218	321.6	8.8	324.0	10.0	314	64	324.0	10.0	0.7	Single Age
IOS1639_75	514	1.91	0.42600	0.01200	0.05290	0.00130	0.46025	359.2	8.5	331.9	8.1	523	60	331.9	8.1	7.6	Single Age
IOS1639_76	1440	1.41	0.37470	0.00580	0.05134	0.00073	0.67875	322.9	4.3	322.7	4.5	305	27	322.7	4.5	0.1	Single Age
IOS1639_77	690	1.45	0.38410	0.00680	0.05341	0.00084	0.43454	329.5	5.0	335.3	5.2	273	40	335.3	5.2	1.8	Single Age
IOS1639_78	1279	1.66	0.38820	0.00540	0.05122	0.00064	0.35685	332.8	3.9	322.0	3.9	387	30	322.0	3.9	3.2	Single Age
IOS1639_79	1168	1.60	0.33210	0.00440	0.04630	0.00065	0.04890	290.9	3.4	291.7	4.0	444	31	291.7	4.0	0.3	Single Age
IOS1639_80	1220	4.93	0.38380	0.00680	0.05198	0.00060	0.39369	329.3	5.0	326.6	3.7	320	35	326.6	3.7	0.8	Single Age
IOS1639_81	187.6	1.92	0.63700	0.01700	0.05443	0.00086	0.32066	499.0	11.0	341.6	5.3	1286	55	DISC	DISC	31.5	Single Age
IOS1639_82	1074	1.10	0.39050	0.00400	0.05287	0.00043	0.52048	334.6	2.9	332.1	2.6	327	21	332.1	2.6	0.7	Single Age
IOS1639_83	1133	1.57	0.37790	0.00530	0.05108	0.00062	0.52570	325.2	3.9	321.1	3.8	336	29	321.1	3.8	1.3	Single Age
IOS1639_84	1139	1.21	0.39570	0.00490	0.05501	0.00068	0.58227	338.3	3.6	345.1	4.2	272	25	345.1	4.2	2.0	Single Age
IOS1639_85	213.1	2.97	0.46600	0.01200	0.05501	0.00074	0.53518	386.8	8.5	345.2	4.5	600	49	DISC	DISC	10.8	Single Age
IOS1639_86	498	4.84	0.39100	0.00800	0.05444	0.00099	0.49871	334.5	5.9	341.6	6.1	278	44	341.6	6.1	2.1	Single Age
IOS1639_87	510	6.79	0.38400	0.01000	0.05000	0.00110	0.63751	330.0	7.4	314.6	6.6	415	44	314.6	6.6	4.7	Single Age
IOS1639_88	1016	1.99	0.37700	0.00480	0.05157	0.00055	0.60927	324.6	3.6	324.1	3.4	297	24	324.1	3.4	0.2	Single Age
IOS1639_89	462	1.86	0.43480	0.00950	0.05255	0.00063	0.58882	366.6	6.8	330.1	3.8	575	36	330.1	3.8	10.0	Single Age
IOS1639_90	564	1.28	0.37850	0.00520	0.05218	0.00046	0.37614	325.6	3.9	327.9	2.8	281	30	327.9	2.8	0.7	Single Age
IOS1639_91	771	2.51	0.39110	0.00570	0.05388	0.00060	0.60229	334.9	4.2	338.3	3.7	290	28	338.3	3.7	1.0	Single Age
IOS1639_92	1760	5.30	0.35410	0.00350	0.04843	0.00048	0.54684	307.7	2.7	304.9	2.9	326	20	304.9	2.9	0.9	Single Age
IOS1639_93	703	1.53	0.41200	0.00860	0.05343	0.00082	0.70235	349.6	6.1	335.5	5.0	421	35	335.5	5.0	4.0	Single Age
IOS1639_94	1388	1.35	0.37500	0.00450	0.05130	0.00053	0.48374	323.1	3.3	322.5	3.2	297	19	322.5	3.2	0.2	Single Age
IOS1639_96	700	1.85	0.39400	0.01100	0.05407	0.00094	0.83948	339.6	5.2	339.4	5.7	318	30	339.4	5.7	0.1	Single Age

Table A3, con't.

IOS1639_97	213	1.62	0.39270	0.00760	0.05380	0.00063	0.22333	335.7	5.5	337.8	3.9	298	45	337.8	3.9	0.6	Single Age
IOS1639_98	344	1.93	0.38040	0.00670	0.05267	0.00056	0.31553	326.9	4.9	330.8	3.4	280	38	330.8	3.4	1.2	Single Age
IOS1639_99	1001	1.30	0.38720	0.00520	0.05278	0.00054	0.60386	332.0	3.8	331.5	3.3	308	25	331.5	3.3	0.2	Single Age
IOS1639_100	1410	1.99	0.37600	0.00620	0.05304	0.00086	0.56097	323.7	4.6	333.1	5.2	245	33	333.1	5.2	2.9	Single Age
IOS1639_101	738	1.84	0.40200	0.00470	0.05285	0.00051	0.60994	342.8	3.4	331.9	3.1	400	21	331.9	3.1	3.2	Single Age
IOS1639_102	828	1.96	0.38910	0.00610	0.05267	0.00080	0.62574	333.3	4.5	330.8	4.9	345	30	330.8	4.9	0.8	Single Age
IOS1639_103	419	4.64	0.39890	0.00670	0.05396	0.00063	0.45802	340.4	4.8	338.7	3.9	344	34	338.7	3.9	0.5	Single Age
IOS1639_104	747	1.36	0.39600	0.00570	0.05362	0.00058	0.49119	338.4	4.2	336.7	3.6	330	30	336.7	3.6	0.5	Single Age
IOS1639_105	1242	2.06	0.37990	0.00600	0.05288	0.00077	0.56679	326.6	4.4	332.1	4.7	278	31	332.1	4.7	1.7	Single Age
IOS1639_106	397	1.91	0.37610	0.00880	0.05280	0.00120	0.51214	323.4	6.5	331.3	7.5	271	48	331.3	7.5	2.4	Single Age
IOS1639_107	899	1.65	0.38970	0.00940	0.05380	0.00150	0.67558	333.3	6.8	337.6	9.4	311	45	337.6	9.4	1.3	Single Age
IOS1639_108	1027	1.39	0.52700	0.01900	0.04923	0.00061	0.42987	427.0	12.0	309.7	3.8	1078	55	DISC	DISC	27.5	Single Age
IOS1639_109	494	2.29	0.40970	0.00850	0.05475	0.00081	0.48746	348.2	6.0	343.6	5.0	370	39	343.6	5.0	1.3	Single Age
IOS1639_110	846	1.72	0.39490	0.00930	0.05350	0.00140	0.46728	337.1	6.8	335.6	8.8	336	56	335.6	8.8	0.4	Single Age
IOS1639_111	880	2.61	0.40500	0.01300	0.05240	0.00170	0.60823	343.7	9.6	329.0	10.0	428	60	329.0	10.0	4.3	Single Age
IOS1639_112	317	1.60	0.39820	0.00850	0.05239	0.00058	0.25031	339.8	6.1	329.2	3.6	401	49	329.2	3.6	3.1	Single Age
IOS1639_113	814	1.96	0.41490	0.00740	0.05514	0.00098	0.59758	351.9	5.2	345.9	6.0	378	36	345.9	6.0	1.7	Single Age
IOS1639_114	1389	2.28	0.39220	0.00650	0.05075	0.00063	0.65062	335.6	4.7	319.1	3.9	446	29	319.1	3.9	4.9	Single Age
IOS1639_115	857	1.24	0.37880	0.00430	0.05157	0.00049	0.32722	325.9	3.2	324.2	3.0	331	27	324.2	3.0	0.5	Single Age
IOS1639_116	577	1.78	0.39290	0.00530	0.05275	0.00053	0.48546	336.2	3.9	331.3	3.2	354	29	331.3	3.2	1.5	Single Age
IOS1639_117	458	1.60	0.39210	0.00580	0.05367	0.00055	0.40757	335.6	4.2	337.0	3.3	311	32	337.0	3.3	0.4	Single Age
IOS1639_118	380	1.97	0.39690	0.00660	0.05346	0.00054	0.37788	339.5	4.7	335.7	3.3	348	35	335.7	3.3	1.1	Single Age
IOS1639_119	257	1.55	0.40630	0.00930	0.05390	0.00075	0.37775	346.2	6.6	338.4	4.6	374	48	338.4	4.6	2.3	Single Age
IOS1639_120	1200	4.15	0.38280	0.00600	0.05127	0.00085	0.56317	328.7	4.4	322.3	5.2	369	34	322.3	5.2	1.9	Single Age
IOS1639_121	716	1.49	0.38070	0.00550	0.05274	0.00076	0.54156	327.3	4.0	331.2	4.6	288	33	331.2	4.6	1.2	Single Age

Table A3, con't.

IOS1639_122	739	2.19	0.37860	0.00650	0.05170	0.00075	0.54312	325.6	4.8	324.9	4.6	322	35	324.9	4.6	0.2	Single Age
IOS1639_123	575	1.37	0.39650	0.00490	0.05375	0.00043	0.38894	338.9	3.6	337.5	2.6	336	27	337.5	2.6	0.4	Single Age
IOS1639_124	625	2.08	0.36110	0.00960	0.04900	0.00140	0.64975	312.0	7.1	308.2	8.4	332	50	308.2	8.4	1.2	Single Age
IOS1639_125	984	1.38	0.31820	0.00490	0.04696	0.00070	0.54165	280.2	3.8	295.8	4.3	321	32	295.8	4.3	5.6	Single Age
IOS1639_126	582	1.61	0.39640	0.00720	0.05211	0.00079	0.55325	338.5	5.2	327.4	4.8	401	37	327.4	4.8	3.3	Single Age
IOS1639_127	459	1.91	0.39220	0.00600	0.05418	0.00067	0.52448	335.6	4.4	340.1	4.1	301	30	340.1	4.1	1.3	Single Age
IOS1639_128	677	1.41	0.38510	0.00490	0.05220	0.00049	0.42922	330.5	3.6	328.0	3.0	342	28	328.0	3.0	0.8	Single Age
IOS1639_129	656	1.93	0.50800	0.03400	0.05439	0.00076	0.66624	408.0	21.0	341.4	4.6	744	99	DISC	DISC	16.3	Single Age
IOS1639_130	640	1.46	0.38110	0.00530	0.05276	0.00053	0.34514	328.1	3.8	331.4	3.3	285	33	331.4	3.3	1.0	Single Age
IOS1639_131	480	1.34	0.37380	0.00540	0.05186	0.00050	0.35561	322.2	4.0	325.9	3.0	292	31	325.9	3.0	1.1	Single Age
IOS1639_132	1092	1.18	0.36100	0.00570	0.05032	0.00086	0.76167	312.6	4.2	317.1	5.2	291	26	317.1	5.2	1.4	Single Age
IOS1639_133	834	1.24	0.37910	0.00570	0.05229	0.00069	0.67888	326.2	4.2	328.5	4.2	302	31	328.5	4.2	0.7	Single Age
IOS1639_134	722	2.29	0.39280	0.00580	0.05404	0.00049	0.55353	336.1	4.2	339.2	3.0	303	28	339.2	3.0	0.9	Single Age
IOS1639_135	599	1.32	0.38410	0.00480	0.05217	0.00052	0.35311	329.8	3.5	327.8	3.2	341	29	327.8	3.2	0.6	Single Age
IOS1639_136	641	4.48	0.31590	0.00900	0.04137	0.00096	0.31100	278.0	6.8	261.2	5.9	427	59	261.2	5.9	6.0	Single Age
IOS1639_137	614	2.72	0.39820	0.00790	0.05153	0.00081	0.50866	339.7	5.7	323.9	5.0	442	39	323.9	5.0	4.7	Single Age
IOS1639_138	613	1.60	0.39050	0.00650	0.05160	0.00074	0.36736	334.3	4.7	324.3	4.5	417	39	324.3	4.5	3.0	Single Age
IOS1639_139	572	1.54	0.38750	0.00830	0.05280	0.00120	0.53825	331.9	6.1	331.4	7.3	348	47	331.4	7.3	0.2	Single Age
IOS1639_140	674	1.56	0.40020	0.00620	0.05496	0.00068	0.56358	341.4	4.5	344.8	4.1	319	31	344.8	4.1	1.0	Single Age

SAMPLE NAME: IOS1640

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor - dance**	**Rim/ Core**
IOS1640_1	49.7	6.22	0.51400	0.04200	0.05670	0.00240	0.52300	417.0	28.0	359.0	16.0	710	150	DISC	DISC	13.9	Single Age

Table A3, con't.

IOS1640_2	521	4.20	0.57100	0.02800	0.07120	0.00300	0.79755	457.0	18.0	443.0	18.0	529	67	443.0	18.0	3.1	Rim
IOS1640_2	112.6	1.09	0.79800	0.02500	0.09720	0.00160	0.33999	593.0	14.0	597.6	9.1	560	68	597.6	9.1	0.8	Core
IOS1640_3	205	0.84	0.81700	0.01700	0.09580	0.00150	0.36682	605.2	9.4	589.7	9.0	668	46	589.7	9.0	2.6	Single Age
IOS1640_4	342	1.01	0.78500	0.01600	0.09590	0.00160	0.65667	587.1	9.2	590.2	9.2	568	34	590.2	9.2	0.5	Single Age
IOS1640_5	94.3	3.29	0.81200	0.03200	0.09530	0.00340	0.54744	607.0	20.0	586.0	20.0	674	80	586.0	20.0	3.5	Single Age
IOS1640_6	499	2.18	0.49200	0.01200	0.06310	0.00140	0.48382	405.3	8.4	394.4	8.4	462	55	394.4	8.4	2.7	Single Age
IOS1640_7	681	66.00	0.04800	0.01400	0.00600	0.00160	0.93896	48.0	13.0	39.0	10.0	490	300	DISC	DISC	18.8	Rim
IOS1640_7	178.4	1.09	8.50000	0.30000	0.39100	0.01400	0.70886	2282.0	32.0	2123.0	63.0	2425	47	2425.0	47.0	12.5	Core
IOS1640_8	641	3.21	11.30000	0.28000	0.37090	0.00810	0.68697	2550.0	26.0	2032.0	38.0	2989	29	DISC	DISC	32.0	Single Age
IOS1640_9	936	7.16	1.82800	0.02400	0.17360	0.00240	0.54134	1054.3	8.6	1031.0	13.0	1101	25	1031.0	13.0	2.2	Single Age
IOS1640_10	73	11.90	8.10000	0.72000	0.36300	0.03100	0.86862	2040.0	120.0	1930.0	150.0	2338	94	2338.0	94.0	17.5	Single Age
IOS1640_11	225	0.59	0.83400	0.02600	0.09970	0.00240	0.56564	613.0	15.0	612.0	14.0	595	62	612.0	14.0	0.2	Single Age
IOS1640_12	670	36.00	0.65400	0.02300	0.07790	0.00220	0.52536	509.0	14.0	483.0	13.0	645	69	483.0	13.0	5.1	Single Age
IOS1640_13	809	3.86	0.93100	0.01600	0.11040	0.00190	0.52003	667.3	8.2	675.0	11.0	636	36	675.0	11.0	1.2	Single Age
IOS1640_14	73.9	0.96	0.84100	0.02800	0.09940	0.00210	0.45114	616.0	15.0	612.0	12.0	612	66	612.0	12.0	0.6	Single Age
IOS1640_15	696	55.10	0.41100	0.01500	0.05560	0.00220	0.55233	349.0	11.0	348.0	14.0	354	76	348.0	14.0	0.3	Rim
IOS1640_15	165.6	3.64	7.63000	0.49000	0.34600	0.01800	0.97277	2139.0	73.0	1902.0	92.0	2413	39	2413.0	39.0	21.2	Core
IOS1640_16	370	1.44	6.39000	0.14000	0.36470	0.00720	0.81212	2030.0	19.0	2004.0	34.0	2049	24	2049.0	24.0	2.2	Single Age
IOS1640_17	409	4.22	5.91000	0.32000	0.33800	0.01700	0.96122	1913.0	61.0	1859.0	84.0	2017	33	2017.0	33.0	7.8	Single Age
IOS1640_18	254	1.78	1.11300	0.03000	0.12380	0.00280	0.64319	762.0	14.0	752.0	16.0	763	49	752.0	16.0	1.3	Single Age
IOS1640_19	571	15.00	12.26000	0.90000	0.42700	0.02600	0.98627	2514.0	85.0	2250.0	120.0	2810	36	2810.0	36.0	19.9	Single Age
IOS1640_20	205	0.85	0.61200	0.01500	0.07610	0.00120	0.23170	483.5	9.1	472.5	7.1	510	54	472.5	7.1	2.3	Single Age
IOS1640_21	1500	41.50	0.40100	0.02300	0.05170	0.00270	0.86160	341.0	16.0	325.0	17.0	442	69	325.0	17.0	4.7	Rim
IOS1640_21	139	1.81	0.91600	0.04400	0.08900	0.00190	0.10068	655.0	23.0	549.0	11.0	1000	100	DISC	DISC	16.2	Core
IOS1640_22	485	1.23	0.84700	0.01700	0.09770	0.00150	0.45452	621.6	9.3	601.0	8.9	688	38	601.0	8.9	3.3	Single Age
IOS1640_23	71.7	0.66	0.84600	0.03400	0.09830	0.00230	0.40976	619.0	19.0	604.0	13.0	641	82	604.0	13.0	2.4	Single Age

Table A3, con't.

IOS1640_24	129.2	1.32	8.56000	0.44000	0.35100	0.01700	0.94144	2269.0	52.0	1923.0	85.0	2605	30	DISC	DISC	26.2	Single Age
IOS1640_25	659	16.10	0.57800	0.01900	0.05729	0.00095	0.65944	461.0	13.0	359.1	5.8	960	56	DISC	DISC	22.1	Single Age
IOS1640_26	832	3.43	0.93500	0.01200	0.10880	0.00130	0.57693	669.9	6.5	665.5	7.7	669	27	665.5	7.7	0.7	Single Age
IOS1640_28	596	4.50	2.42000	0.11000	0.17400	0.00640	0.97171	1227.0	35.0	1030.0	35.0	1593	28	DISC	DISC	16.1	Single Age
IOS1640_29	747	11.73	1.17200	0.02800	0.12330	0.00240	0.85280	785.0	13.0	749.0	13.0	875	26	749.0	13.0	4.6	Single Age
IOS1640_30	85.5	2.34	1.06600	0.04700	0.12060	0.00360	0.51447	734.0	22.0	734.0	21.0	710	81	734.0	21.0	0.0	Single Age
IOS1640_31	307	2.36	1.35000	0.11000	0.11930	0.00790	0.96112	844.0	45.0	723.0	45.0	1183	50	DISC	DISC	14.3	Single Age
IOS1640_32	118	2.62	6.64000	0.52000	0.27500	0.01900	0.98346	1999.0	75.0	1546.0	97.0	2565	29	DISC	DISC	39.7	Single Age
IOS1640_33	261.9	3.90	1.17100	0.02600	0.12740	0.00230	0.46085	786.0	12.0	773.0	13.0	807	43	773.0	13.0	1.7	Single Age
IOS1640_34	1430	111.00	0.13670	0.00940	0.01632	0.00089	0.63092	129.7	8.4	104.3	5.6	610	120	DISC	DISC	19.6	Rim
IOS1640_34	219	1.42	1.05200	0.08500	0.10980	0.00620	0.89454	726.0	42.0	671.0	36.0	881	84	671.0	36.0	7.6	Core
IOS1640_35	672	20.40	1.34400	0.04000	0.12050	0.00220	0.77409	862.0	17.0	733.0	13.0	1211	37	DISC	DISC	15.0	Rim
IOS1640_35	254	4.61	3.84000	0.23000	0.23900	0.00990	0.93589	1586.0	47.0	1379.0	51.0	1866	45	DISC	DISC	26.1	Core
IOS1640_36	653	54.00	0.87800	0.03500	0.10220	0.00410	0.80288	638.0	19.0	627.0	24.0	670	55	627.0	24.0	1.7	Rim
IOS1640_36	80	1.17	1.66100	0.06100	0.16770	0.00430	0.52396	992.0	24.0	998.0	24.0	954	69	998.0	24.0	0.6	Core
IOS1640_37	747	2.52	0.62300	0.01300	0.07710	0.00120	0.29979	491.0	8.0	478.6	7.1	525	49	478.6	7.1	2.5	Rim
IOS1640_37	239	1.08	0.82500	0.02600	0.09640	0.00180	0.48438	610.0	14.0	593.0	11.0	650	59	593.0	11.0	2.8	Core
IOS1640_38	1620	35.60	0.39650	0.00930	0.05290	0.00120	0.60959	338.9	6.7	332.3	7.3	377	46	332.3	7.3	1.9	Rim
IOS1640_38	58.2	0.99	1.05300	0.04900	0.10810	0.00210	0.30652	725.0	24.0	662.0	12.0	889	94	662.0	12.0	8.7	Core
IOS1640_39	688	2.67	1.07600	0.01900	0.11950	0.00150	0.67216	741.0	9.1	727.4	8.8	773	28	727.4	8.8	1.8	Single Age
IOS1640_40	709	7.17	0.82200	0.03100	0.09540	0.00250	0.76618	607.0	17.0	587.0	15.0	666	41	587.0	15.0	3.3	Single Age
IOS1640_41	200.8	3.10	0.94200	0.02400	0.10960	0.00200	0.54475	671.0	13.0	670.0	11.0	661	48	670.0	11.0	0.1	Single Age
IOS1640_42	203	1.50	1.39500	0.08100	0.13830	0.00700	0.93846	863.0	37.0	830.0	40.0	967	41	830.0	40.0	3.8	Single Age
IOS1640_43	364	0.94	0.85500	0.01500	0.10190	0.00150	0.47106	626.2	8.2	625.6	8.5	608	36	625.6	8.5	0.1	Single Age
IOS1640_44	805	63.20	0.95400	0.01400	0.11150	0.00140	0.59303	679.2	7.1	681.2	8.3	659	26	681.2	8.3	0.3	Single Age
IOS1640_45	2008	61.10	0.48200	0.01900	0.06130	0.00250	0.57333	399.0	13.0	383.0	15.0	483	81	383.0	15.0	4.0	Rim
IOS1640_45	308	116.00	0.97900	0.01700	0.11240	0.00140	0.51634	692.5	8.5	686.7	8.3	701	31	686.7	8.3	0.8	Core

Table A3, con't.

IOS1640_46	1498	31.20	0.46500	0.02500	0.05690	0.00300	0.56149	386.0	17.0	356.0	18.0	570	110	356.0	18.0	7.8	Rim
IOS1640_46	362.2	1.89	0.77000	0.02600	0.09330	0.00250	0.52608	578.0	15.0	575.0	15.0	587	67	575.0	15.0	0.5	Core
IOS1640_47	1230	49.00	0.44100	0.02600	0.05850	0.00300	0.80639	370.0	18.0	366.0	18.0	383	83	366.0	18.0	1.1	Rim
IOS1640_47	414	0.91	0.86200	0.01900	0.10320	0.00180	0.50330	630.0	10.0	633.0	10.0	592	41	633.0	10.0	0.5	Core
IOS1640_48	59.8	1.60	1.11200	0.08200	0.12250	0.00490	0.34316	756.0	39.0	745.0	28.0	760	180	745.0	28.0	1.5	Single Age
IOS1640_49	1001	54.60	6.40500	0.09800	0.36850	0.00550	0.88505	2030.0	14.0	2020.0	26.0	2039	14	2039.0	14.0	0.9	Single Age
IOS1640_50	235.8	1.70	1.03800	0.01700	0.11850	0.00130	0.33696	721.7	8.6	721.6	7.6	702	35	721.6	7.6	0.0	Single Age
IOS1640_51	271	0.85	0.97800	0.02300	0.11480	0.00180	0.39553	691.0	12.0	700.0	10.0	648	49	700.0	10.0	1.3	Single Age
IOS1640_52	255	1.40	1.13900	0.02400	0.12540	0.00200	0.39965	770.0	11.0	762.0	11.0	784	42	762.0	11.0	1.0	Single Age
IOS1640_53	469	1.74	0.82900	0.01400	0.09990	0.00160	0.59239	612.8	7.9	614.9	9.7	597	32	614.9	9.7	0.3	Single Age
IOS1640_54	1323	28.40	0.45800	0.01900	0.06020	0.00240	0.60962	381.0	13.0	377.0	15.0	406	78	377.0	15.0	1.0	Rim
IOS1640_54	473	6.20	0.78200	0.03500	0.08890	0.00340	0.51223	585.0	20.0	549.0	20.0	717	85	549.0	20.0	6.2	Core
IOS1640_55	196.3	1610.00	1.87600	0.03100	0.17550	0.00200	0.64283	1071.0	11.0	1042.0	11.0	1122	25	1042.0	11.0	2.7	Single Age
IOS1640_56	482	2.62	0.90900	0.01800	0.10750	0.00180	0.77528	655.2	9.4	658.0	11.0	642	26	658.0	11.0	0.4	Single Age
IOS1640_57	323	0.93	8.63000	0.36000	0.37800	0.01400	0.97903	2277.0	44.0	2068.0	66.0	2499	16	2499.0	16.0	17.2	Single Age
IOS1640_58	113.5	2.98	0.84300	0.02600	0.09790	0.00250	0.53276	618.0	14.0	602.0	15.0	667	56	602.0	15.0	2.6	Single Age
IOS1640_59	251	1.82	0.82500	0.01900	0.10020	0.00210	0.51444	610.0	11.0	617.0	13.0	578	48	617.0	13.0	1.1	Single Age
IOS1640_60	454	5.63	0.49300	0.01700	0.06030	0.00190	0.50293	407.0	11.0	378.0	11.0	571	77	378.0	11.0	7.1	Rim
IOS1640_60	160.8	1.82	0.81200	0.02300	0.09870	0.00170	0.38301	602.0	13.0	606.9	9.8	572	59	606.9	9.8	0.8	Core
IOS1640_61	98.1	3.91	0.76700	0.02900	0.09440	0.00280	0.45053	574.0	17.0	581.0	17.0	537	78	581.0	17.0	1.2	Single Age
IOS1640_62	1716	23.79	3.97000	0.24000	0.26300	0.01300	0.95137	1587.0	56.0	1494.0	65.0	1713	43	1713.0	43.0	12.8	Single Age
IOS1640_63	190	1.99	0.85400	0.01700	0.10170	0.00140	0.44197	625.6	9.5	624.5	8.4	618	41	624.5	8.4	0.2	Single Age
IOS1640_64	577	13.85	0.88100	0.01400	0.10470	0.00150	0.54170	640.8	7.5	642.7	8.4	624	31	642.7	8.4	0.3	Single Age
IOS1640_65	291	6.06	1.06500	0.03500	0.11890	0.00310	0.56098	734.0	17.0	724.0	18.0	772	63	724.0	18.0	1.4	Single Age
IOS1640_66	273	1.22	1.09800	0.07600	0.12630	0.00760	0.83213	751.0	36.0	766.0	44.0	699	99	766.0	44.0	2.0	Single Age
IOS1640_67	123	2.78	1.51100	0.07000	0.13000	0.00340	0.64158	933.0	29.0	788.0	19.0	1274	75	DISC	DISC	15.5	Single Age

Table A3, con't.

IOS1640_68	539	2.86	1.01500	0.02000	0.11470	0.00170	0.61525	710.3	9.9	700.0	9.8	740	32	700.0	9.8	1.5	Single Age
IOS1640_69	1200	3.47	1.22100	0.01900	0.12920	0.00130	0.56228	810.2	8.5	783.3	7.6	869	28	783.3	7.6	3.3	Single Age
IOS1640_70	162.2	1.51	1.55500	0.04200	0.15510	0.00340	0.83303	951.0	17.0	932.0	18.0	986	31	932.0	18.0	2.0	Single Age
IOS1640_71	48.7	1.36	1.55200	0.07300	0.14380	0.00420	0.43684	947.0	30.0	866.0	23.0	1124	94	866.0	23.0	8.6	Single Age
IOS1640_72	197	2.07	2.44000	0.12000	0.17190	0.00690	0.94495	1236.0	38.0	1020.0	38.0	1646	35	DISC	DISC	17.5	Single Age
IOS1640_73	116.3	1.61	0.76600	0.02400	0.09250	0.00140	0.20339	575.0	14.0	570.3	8.3	566	71	570.3	8.3	0.8	Single Age
IOS1640_74	278	19.70	0.46800	0.02200	0.05880	0.00120	0.41228	386.0	15.0	368.2	7.2	457	82	368.2	7.2	4.6	Single Age
IOS1640_75	605	10.50	0.44400	0.01600	0.05840	0.00180	0.64011	372.0	11.0	366.0	11.0	407	63	366.0	11.0	1.6	Rim
IOS1640_75	181	0.81	0.88800	0.02500	0.10540	0.00190	0.48414	643.0	13.0	646.0	11.0	619	54	646.0	11.0	0.5	Core
IOS1640_76	821	2.36	0.78100	0.01300	0.09550	0.00150	0.60428	585.1	7.6	587.6	9.1	569	32	587.6	9.1	0.4	Single Age
IOS1640_77	1000	10.90	1.00700	0.05700	0.08690	0.00430	0.91037	702.0	30.0	536.0	26.0	1281	46	DISC	DISC	23.6	Rim
IOS1640_77	490	1.22	4.45000	0.26000	0.28500	0.01500	0.95965	1688.0	57.0	1607.0	76.0	1831	32	1831.0	32.0	12.2	Core
IOS1640_78	456	2.56	0.70500	0.03200	0.08600	0.00320	0.82304	540.0	19.0	531.0	19.0	565	57	531.0	19.0	1.7	Single Age
IOS1640_79	1118	21.00	0.45200	0.01800	0.05860	0.00280	0.78082	378.0	12.0	367.0	17.0	479	68	367.0	17.0	2.9	Rim
IOS1640_79	198.1	3.26	0.88200	0.02700	0.10240	0.00270	0.53379	640.0	15.0	628.0	16.0	672	63	628.0	16.0	1.9	Core
IOS1640_80	265	1.73	0.78500	0.02100	0.09240	0.00210	0.65782	587.0	12.0	569.0	12.0	655	44	569.0	12.0	3.1	Single Age
IOS1640_81	155	2.57	0.86600	0.02500	0.09060	0.00200	0.52102	630.0	13.0	559.0	12.0	876	51	DISC	DISC	11.3	Single Age
IOS1640_82	149.2	1.20	0.84100	0.03100	0.10190	0.00240	0.21077	618.0	17.0	625.0	14.0	574	89	625.0	14.0	1.1	Single Age
IOS1640_83	159.8	2.46	1.12500	0.03400	0.12650	0.00340	0.57407	763.0	16.0	767.0	19.0	743	58	767.0	19.0	0.5	Single Age
IOS1640_84	209.2	1.78	0.73300	0.02700	0.08470	0.00180	0.30992	556.0	15.0	524.0	10.0	656	65	524.0	10.0	5.8	Single Age
IOS1640_85	53.6	1.23	0.84400	0.05800	0.09710	0.00480	0.46299	617.0	32.0	597.0	28.0	670	150	597.0	28.0	3.2	Single Age
IOS1640_86	366	10.06	0.91700	0.02600	0.10540	0.00240	0.69212	658.0	14.0	646.0	14.0	698	42	646.0	14.0	1.8	Single Age
IOS1640_87	479	5.85	0.88400	0.01300	0.10380	0.00110	0.53850	642.5	6.8	636.6	6.6	652	27	636.6	6.6	0.9	Single Age
IOS1640_88	1990	69.60	0.49000	0.03500	0.06360	0.00460	0.73490	402.0	24.0	397.0	28.0	480	120	397.0	28.0	1.2	Rim
IOS1640_88	496	5.15	6.09000	0.38000	0.30500	0.01400	0.90533	1960.0	59.0	1710.0	71.0	2244	54	2244.0	54.0	23.8	Core
IOS1640_89	257.8	37.80	1.19000	0.03600	0.12780	0.00170	0.80041	794.0	16.0	775.4	9.5	831	50	775.4	9.5	2.3	Single Age

Table A3, con't.

IOS1640_91	264.3	1.89	1.27700	0.02800	0.13880	0.00210	0.46725	834.0	12.0	837.0	12.0	808	37	837.0	12.0	0.4	Single Age
IOS1640_92	608	38.60	0.44100	0.01900	0.05660	0.00220	0.69980	370.0	13.0	355.0	13.0	460	72	355.0	13.0	4.1	Rim
IOS1640_92	31.1	1.60	0.85400	0.05400	0.10650	0.00330	0.07953	621.0	30.0	652.0	19.0	490	140	652.0	19.0	5.0	Core
IOS1640_93	83.7	0.57	0.78900	0.03000	0.09700	0.00180	0.35881	587.0	17.0	597.0	11.0	526	78	597.0	11.0	1.7	Single Age
IOS1640_94	307	1.78	0.87500	0.03100	0.09860	0.00160	0.42814	635.0	16.0	605.8	9.6	724	58	605.8	9.6	4.6	Single Age
IOS1640_95	125.8	1.38	0.91900	0.02700	0.10500	0.00180	0.29164	662.0	15.0	643.0	11.0	731	69	643.0	11.0	2.9	Single Age
IOS1640_96	191.1	2.69	0.74000	0.02900	0.09110	0.00300	0.53489	560.0	17.0	562.0	18.0	542	75	562.0	18.0	0.4	Single Age
IOS1640_97	313	4.57	0.91200	0.01600	0.10660	0.00140	0.47858	657.2	8.5	653.1	8.1	662	35	653.1	8.1	0.6	Single Age
IOS1640_98	922	39.80	0.67800	0.02800	0.07960	0.00290	0.54200	525.0	17.0	494.0	18.0	662	82	494.0	18.0	5.9	Rim
IOS1640_98	447	26.39	0.92000	0.01500	0.10830	0.00130	0.45699	661.5	7.9	662.6	7.8	654	32	662.6	7.8	0.2	Core
IOS1640_99	638	2.41	0.73600	0.01500	0.09090	0.00170	0.55049	561.2	8.8	561.0	10.0	550	38	561.0	10.0	0.0	Single Age
IOS1640_100	834	4.02	0.89900	0.01800	0.10620	0.00210	0.54627	649.9	9.5	651.0	12.0	648	41	651.0	12.0	0.2	Single Age
IOS1640_101	71.8	0.83	2.62000	0.26000	0.12950	0.00310	0.69634	1247.0	70.0	784.0	17.0	2080	150	DISC	DISC	37.1	Single Age
IOS1640_102	217	2.25	0.75400	0.02400	0.08460	0.00200	0.63845	567.0	14.0	523.0	12.0	735	52	523.0	12.0	7.8	Single Age
IOS1640_103	622	42.00	0.44800	0.03800	0.05620	0.00460	0.68848	373.0	27.0	352.0	28.0	520	150	352.0	28.0	5.6	Rim
IOS1640_103	208	1.73	1.48300	0.04100	0.15500	0.00410	0.52347	923.0	16.0	928.0	23.0	885	56	928.0	23.0	0.5	Core
IOS1640_104	276	0.75	0.85100	0.01800	0.10130	0.00140	0.34169	623.9	9.8	623.1	8.8	608	44	623.1	8.8	0.1	Single Age
IOS1640_105	379	0.89	0.89600	0.02000	0.10390	0.00200	0.51606	648.0	11.0	637.0	12.0	679	44	637.0	12.0	1.7	Single Age
IOS1640_106	341	6.58	0.81500	0.01800	0.09730	0.00210	0.43663	604.0	10.0	598.0	12.0	621	50	598.0	12.0	1.0	Single Age
IOS1640_107	709	239.00	0.39550	0.00870	0.05478	0.00089	0.59943	337.7	6.3	343.7	5.4	301	40	343.7	5.4	1.8	Single Age
IOS1640_108	193	1.01	0.85900	0.01600	0.10400	0.00130	0.16086	628.4	9.0	637.9	7.7	580	50	637.9	7.7	1.5	Single Age
IOS1640_109	127	3.68	8.72000	0.66000	0.36900	0.02500	0.97980	2219.0	87.0	2000.0	120.0	2517	34	2517.0	34.0	20.5	Single Age
IOS1640_110	155	1.82	1.25300	0.04700	0.13490	0.00520	0.10505	823.0	21.0	815.0	29.0	840	110	815.0	29.0	1.0	Single Age
IOS1640_111	1213	45.70	0.60800	0.02700	0.07430	0.00380	0.65662	480.0	17.0	461.0	23.0	587	82	461.0	23.0	4.0	Rim
IOS1640_111	301	3.77	1.01900	0.03800	0.11900	0.00420	0.70223	711.0	19.0	724.0	24.0	665	61	724.0	24.0	1.8	Core
IOS1640_112	1515	5.35	0.85600	0.01400	0.09900	0.00130	0.62693	627.2	7.6	608.5	7.7	682	27	608.5	7.7	3.0	Single Age

Table A3, con't.

IOS1640_113	1275	15.10	4.83000	0.28000	0.28000	0.01400	0.95187	1735.0	58.0	1579.0	70.0	1971	45	1971.0	45.0	19.9	Single Age
IOS1640_115	469	2.35	1.91100	0.09900	0.18720	0.00830	0.50311	1080.0	35.0	1105.0	45.0	1027	97	1105.0	45.0	2.3	Single Age
IOS1640_116	996	3.99	3.22000	0.13000	0.20710	0.00670	0.77467	1447.0	30.0	1210.0	36.0	1822	29	DISC	DISC	33.6	Single Age
IOS1640_117	136.6	1.00	1.01300	0.02900	0.11610	0.00240	0.51602	708.0	14.0	708.0	14.0	710	55	708.0	14.0	0.0	Single Age
IOS1640_118	252.1	1.63	0.92700	0.02600	0.11040	0.00310	0.61979	663.0	14.0	674.0	18.0	625	54	674.0	18.0	1.7	Single Age
IOS1640_119	927	65.00	0.39300	0.01700	0.05300	0.00220	0.71104	335.0	12.0	332.0	13.0	348	67	332.0	13.0	0.9	Rim
IOS1640_119	218.1	0.90	1.40300	0.05900	0.14150	0.00470	0.83044	885.0	26.0	852.0	27.0	964	51	852.0	27.0	3.7	Core
IOS1640_120	103	1.16	1.24900	0.02700	0.13450	0.00190	0.38834	820.0	12.0	813.0	11.0	842	44	813.0	11.0	0.9	Single Age
IOS1640_121	145.7	1.40	0.75800	0.02700	0.09060	0.00220	0.48379	570.0	15.0	559.0	13.0	594	70	559.0	13.0	1.9	Single Age
IOS1640_122	97.9	3.78	1.00600	0.06100	0.11590	0.00600	0.77507	700.0	30.0	705.0	35.0	700	74	705.0	35.0	0.7	Single Age
IOS1640_123	219	0.76	0.90200	0.03600	0.10450	0.00330	0.62126	651.0	19.0	641.0	19.0	680	70	641.0	19.0	1.5	Single Age
IOS1640_124	5280	264.00	0.05290	0.00510	0.00726	0.00077	0.89628	52.3	4.9	46.6	4.9	330	110	DISC	DISC	10.9	Rim
IOS1640_124	485	15.50	0.55300	0.02500	0.06910	0.00260	0.62270	446.0	17.0	430.0	16.0	521	87	430.0	16.0	3.6	Core
IOS1640_125	2100	38.40	0.47500	0.03100	0.05690	0.00330	0.68713	390.0	21.0	356.0	20.0	600	100	356.0	20.0	8.7	Rim
IOS1640_125	456	7.82	0.81700	0.04300	0.10140	0.00440	0.55801	603.0	24.0	622.0	26.0	530	100	622.0	26.0	3.2	Core
IOS1640_126	110.3	1.76	8.52000	0.47000	0.35800	0.01600	0.94632	2274.0	54.0	1969.0	79.0	2569	36	2569.0	36.0	23.4	Single Age
IOS1640_127	673	4.90	0.79900	0.01300	0.09780	0.00140	0.60498	595.6	7.1	601.5	8.0	569	29	601.5	8.0	1.0	Single Age
IOS1640_128	1020	38.60	0.81100	0.02300	0.09380	0.00280	0.71302	602.0	13.0	578.0	17.0	698	49	578.0	17.0	4.0	Rim
IOS1640_128	427	1.95	1.35100	0.02800	0.14070	0.00230	0.52279	868.0	12.0	848.0	13.0	901	41	848.0	13.0	2.3	Core
IOS1640_129	560.2	1.71	0.91000	0.01500	0.10810	0.00150	0.56677	656.2	8.1	661.4	8.9	641	29	661.4	8.9	0.8	Single Age
IOS1640_130	879	48.90	0.39000	0.03600	0.05590	0.00540	0.48760	333.0	26.0	351.0	33.0	250	200	351.0	33.0	5.4	Rim
IOS1640_130	356	28.10	0.64300	0.02200	0.07700	0.00170	0.38514	503.0	14.0	478.0	10.0	592	72	478.0	10.0	5.0	Rim
IOS1640_130	377	2.78	1.44800	0.04100	0.15270	0.00300	0.68724	907.0	17.0	916.0	17.0	892	52	916.0	17.0	1.0	Core
IOS1640_131	681	1.69	0.77300	0.01400	0.09380	0.00160	0.65226	580.8	8.1	577.5	9.7	591	33	577.5	9.7	0.6	Single Age
IOS1640_132	424	32.40	0.94200	0.05200	0.07670	0.00330	0.57243	672.0	28.0	476.0	20.0	1400	100	DISC	DISC	29.2	Rim
IOS1640_132	272	1.10	11.51000	0.17000	0.46620	0.00610	0.74134	2563.0	14.0	2465.0	27.0	2642	17	2642.0	17.0	6.7	Core
IOS1640_133	110	1.45	0.71400	0.02100	0.08850	0.00150	0.34730	545.0	12.0	546.2	9.0	522	62	546.2	9.0	0.2	Single Age

Table A3, con't.

IOS1640_134	109	5.15	13.05000	0.46000	0.48100	0.01700	0.93766	2671.0	36.0	2531.0	75.0	2771	24	2771.0	24.0	8.7	Single Age
IOS1640_135	468	2.39	0.87800	0.02600	0.09830	0.00220	0.49003	641.0	15.0	605.0	13.0	765	57	605.0	13.0	5.6	Single Age
IOS1640_136	869	0.54	0.76500	0.02300	0.09070	0.00240	0.55413	575.0	13.0	559.0	14.0	622	57	559.0	14.0	2.8	Single Age
IOS1640_137	271	2.03	0.79700	0.02300	0.09620	0.00260	0.51172	593.0	13.0	592.0	15.0	595	59	592.0	15.0	0.2	Single Age
IOS1640_138	673	7.09	0.89600	0.01300	0.10700	0.00140	0.32922	649.6	7.3	655.1	7.9	623	31	655.1	7.9	0.8	Single Age
IOS1640_139	167.7	1.47	0.78900	0.01700	0.09710	0.00140	0.46753	589.0	9.9	596.9	8.5	546	45	596.9	8.5	1.3	Single Age
IOS1640_140	702	10.74	0.86000	0.01400	0.10300	0.00160	0.66695	629.3	7.4	631.6	9.5	619	28	631.6	9.5	0.4	Single Age
IOS1640_141	237	2.05	0.64900	0.02100	0.08270	0.00190	0.61155	506.0	13.0	512.0	11.0	470	54	512.0	11.0	1.2	Single Age
IOS1640_142	477	1.20	0.84400	0.01600	0.10420	0.00160	0.43304	620.7	8.7	638.6	9.6	558	36	638.6	9.6	2.9	Single Age
IOS1640_143	178	1.11	1.19500	0.03500	0.12090	0.00160	0.30577	798.0	16.0	735.6	9.1	969	54	735.6	9.1	7.8	Single Age
IOS1640_144	500	5.16	0.54800	0.01300	0.06480	0.00140	0.58848	442.8	8.7	404.4	8.4	641	45	404.4	8.4	8.7	Single Age
IOS1640_145	225.9	0.82	0.73500	0.01700	0.09200	0.00130	0.43307	558.0	10.0	568.3	7.7	511	49	568.3	7.7	1.8	Single Age

SAMPLE NAME: IOS1641

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age Ma**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1641_1	1230	220.00	0.21000	0.01300	0.02829	0.00097	0.38938	193.0	11.0	179.8	6.1	350	140	179.8	6.1	6.8	Rim
IOS1641_1	689	2.03	0.54590	0.00730	0.07188	0.00064	0.39103	442.7	5.0	447.4	3.8	405	30	447.4	3.8	1.1	Core
IOS1641_2	217	3.05	0.50100	0.01400	0.06590	0.00120	0.37686	411.3	9.6	411.4	7.4	393	58	411.4	7.4	0.0	Single Age
IOS1641_3	119.6	4.19	0.55800	0.01900	0.06530	0.00160	0.48744	448.0	12.0	407.6	9.5	639	67	407.6	9.5	9.0	Single Age
IOS1641_4	790	10.80	1.44100	0.06300	0.15040	0.00520	0.96609	893.0	28.0	901.0	29.0	876	30	901.0	29.0	0.9	Single Age
IOS1641_5	895	3.74	0.75800	0.02200	0.08350	0.00150	0.28693	572.0	13.0	517.0	9.1	783	57	517.0	9.1	9.6	Single Age
IOS1641_6	3514	30.60	0.02940	0.00150	0.00388	0.00015	0.65678	29.4	1.5	25.0	1.0	405	87	DISC	DISC	15.1	Rim
IOS1641_6	700	6.63	0.27410	0.00850	0.03567	0.00087	0.67388	246.9	7.2	225.9	5.4	434	54	225.9	5.4	8.5	Core
IOS1641_7	1390	19.70	0.23400	0.01400	0.02713	0.00073	0.62058	212.0	11.0	172.5	4.6	637	75	DISC	DISC	18.6	Single Age

Table A3, con't.

IOS1641_8	112.5	3.26	0.51700	0.04200	0.05920	0.00230	0.19030	421.0	27.0	371.0	14.0	660	170	DISC	DISC	11.9	Single Age
IOS1641_9	300	2.61	0.58500	0.01800	0.07580	0.00180	0.52343	467.0	12.0	471.0	11.0	431	61	471.0	11.0	0.9	Single Age
IOS1641_10	897	24.74	0.16900	0.00500	0.02281	0.00062	0.77239	158.3	4.3	145.3	3.9	347	42	145.3	3.9	8.2	Single Age
IOS1641_11	482	2.26	0.87700	0.02400	0.10060	0.00260	0.72222	638.0	13.0	618.0	15.0	712	41	618.0	15.0	3.1	Single Age
IOS1641_12	545	6.38	0.53800	0.02400	0.06680	0.00200	0.58409	436.0	16.0	417.0	12.0	520	80	417.0	12.0	4.4	Single Age
IOS1641_13	1520	20.60	0.16630	0.00740	0.01974	0.00080	0.70492	155.9	6.4	126.0	5.0	640	70	DISC	DISC	19.2	Rim
IOS1641_13	600	5.81	0.28100	0.01200	0.03500	0.00130	0.43802	250.7	9.1	221.5	8.1	522	74	DISC	DISC	11.6	Core
IOS1641_14	494	8.70	0.35300	0.01600	0.04670	0.00180	0.86588	305.0	12.0	294.0	11.0	384	47	294.0	11.0	3.6	Single Age
IOS1641_15	1141	143.90	0.04770	0.00310	0.00522	0.00018	0.52781	47.2	3.0	33.6	1.1	750	120	DISC	DISC	28.8	Rim
IOS1641_15	954	28.80	0.33700	0.02000	0.04410	0.00330	0.56013	294.0	15.0	278.0	21.0	430	130	278.0	21.0	5.4	Core
IOS1641_16	154	1.97	0.49600	0.01900	0.06540	0.00170	0.61641	409.0	13.0	408.0	10.0	387	61	408.0	10.0	0.2	Single Age
IOS1641_17	848	23.30	0.30770	0.00710	0.04093	0.00071	0.59687	272.0	5.5	258.6	4.4	384	42	258.6	4.4	4.9	Single Age
IOS1641_18	872	2.40	0.49200	0.01400	0.06610	0.00200	0.52849	405.9	9.7	412.0	12.0	384	61	412.0	12.0	1.5	Single Age
IOS1641_19	3020	90.00	0.03990	0.00420	0.00398	0.00019	0.59535	39.7	4.1	25.6	1.2	960	160	DISC	DISC	35.5	Rim
IOS1641_19	537	10.58	0.22200	0.01400	0.02960	0.00170	0.83465	202.0	12.0	188.0	11.0	369	72	188.0	11.0	6.9	Core
IOS1641_20	535	2.06	0.57800	0.01000	0.07478	0.00096	0.39754	462.8	6.7	464.8	5.7	452	39	464.8	5.7	0.4	Single Age
IOS1641_21	267	2.26	0.69000	0.02700	0.08260	0.00220	0.64887	531.0	16.0	512.0	13.0	626	64	512.0	13.0	3.6	Single Age
IOS1641_22	399	1.34	0.50200	0.01100	0.06800	0.00130	0.58299	412.5	7.5	424.1	8.0	350	43	424.1	8.0	2.8	Single Age
IOS1641_23	243	3.32	0.43300	0.01100	0.05730	0.00110	0.35211	364.9	8.1	359.2	6.8	387	54	359.2	6.8	1.6	Single Age
IOS1641_24	1496	44.80	0.11430	0.00820	0.01514	0.00094	0.65941	109.7	7.5	96.9	6.0	400	120	DISC	DISC	11.7	Rim
IOS1641_24	498	6.04	0.44600	0.02500	0.05560	0.00230	0.62849	372.0	17.0	349.0	14.0	523	80	349.0	14.0	6.2	Core
IOS1641_25	488	3.60	0.34800	0.01100	0.04560	0.00110	0.66386	302.2	8.2	287.1	6.9	417	53	287.1	6.9	5.0	Single Age
IOS1641_26	205	2.08	0.57600	0.01300	0.07420	0.00100	0.44365	461.5	8.3	461.1	6.1	458	44	461.1	6.1	0.1	Single Age
IOS1641_27	3640	33.00	0.08880	0.00550	0.01176	0.00077	0.71053	86.2	5.2	75.3	4.9	420	110	DISC	DISC	12.6	Rim
IOS1641_27	244	3.87	0.42800	0.01900	0.05500	0.00210	0.65931	360.0	13.0	345.0	13.0	455	75	345.0	13.0	4.2	Core
IOS1641_28	442	11.50	0.36100	0.01800	0.04700	0.00210	0.86857	312.0	13.0	295.0	13.0	439	52	295.0	13.0	5.4	Single Age
IOS1641_29	1967	207.00	0.15470	0.00710	0.01955	0.00092	0.72510	145.8	6.3	124.8	5.8	516	78	DISC	DISC	14.4	Rim

Table A3, con't.

IOS1641_29	671	22.60	0.30900	0.01100	0.03956	0.00094	0.51646	274.6	7.8	250.1	5.8	480	60	250.1	5.8	8.9	Core
IOS1641_30	654	2.39	0.53900	0.01200	0.07000	0.00140	0.45481	436.7	7.6	436.2	8.3	453	41	436.2	8.3	0.1	Single Age
IOS1641_31	887	9.20	0.43400	0.01300	0.05099	0.00082	0.25509	365.0	8.9	320.6	5.0	649	59	DISC	DISC	12.2	Single Age
IOS1641_32	669	2.51	0.52300	0.01200	0.06770	0.00110	0.66703	426.3	7.7	422.3	6.8	455	36	422.3	6.8	0.9	Single Age
IOS1641_33	678	2.91	0.46200	0.01000	0.06040	0.00110	0.47090	385.6	7.1	377.8	7.0	441	49	377.8	7.0	2.0	Single Age
IOS1641_34	3560	65.80	0.07730	0.00230	0.01066	0.00026	0.37753	75.6	2.2	68.4	1.7	322	70	68.4	1.7	9.5	Rim
IOS1641_34	218.5	2.72	0.49600	0.02000	0.06410	0.00180	0.64488	408.0	13.0	400.0	11.0	439	66	400.0	11.0	2.0	Core
IOS1641_35	535	3.64	0.56700	0.02000	0.07130	0.00210	0.68118	454.0	13.0	444.0	13.0	505	58	444.0	13.0	2.2	Single Age
IOS1641_36	687	2.99	0.56900	0.01300	0.07290	0.00170	0.61311	456.5	8.7	454.0	10.0	479	38	454.0	10.0	0.5	Single Age
IOS1641_37	999	4.74	0.33840	0.00960	0.04300	0.00110	0.70740	296.1	7.4	271.1	7.1	508	46	271.1	7.1	8.4	Single Age
IOS1641_38	618	4.13	0.41100	0.01900	0.05350	0.00200	0.60703	349.0	14.0	336.0	12.0	444	86	336.0	12.0	3.7	Rim
IOS1641_38	233	2.36	0.54800	0.01100	0.07328	0.00083	0.28450	443.8	7.1	455.9	5.0	373	47	455.9	5.0	2.7	Core
IOS1641_39	458	2.96	0.54100	0.01800	0.06920	0.00190	0.82243	437.0	12.0	431.0	11.0	458	43	431.0	11.0	1.4	Single Age
IOS1641_40	283	3.89	0.37900	0.02700	0.03977	0.00085	0.58960	322.0	17.0	251.4	5.3	824	97	DISC	DISC	21.9	Single Age
IOS1641_41	2880	120.00	0.07300	0.01200	0.00912	0.00098	0.82349	72.0	11.0	58.5	6.3	510	220	DISC	DISC	18.8	Rim
IOS1641_41	670	14.80	0.31300	0.01100	0.04210	0.00130	0.79958	276.4	8.4	266.0	8.1	378	47	266.0	8.1	3.8	Core
IOS1641_42	1238	34.00	0.32630	0.00950	0.04260	0.00110	0.80165	287.4	7.6	268.6	6.5	439	40	268.6	6.5	6.5	Single Age
IOS1641_43	3760	168.00	0.04900	0.00570	0.00666	0.00090	0.73138	48.6	5.5	42.8	5.8	360	220	DISC	DISC	11.9	Rim
IOS1641_43	640	20.30	0.20820	0.00900	0.02711	0.00089	0.66688	191.6	7.6	172.4	5.6	433	72	DISC	DISC	10.0	Rim
IOS1641_43	79.3	4.43	0.35100	0.02100	0.04260	0.00140	0.01204	304.0	16.0	269.0	8.5	560	150	DISC	DISC	11.5	Core
IOS1641_44	575	2.20	0.55280	0.00890	0.06990	0.00076	0.55215	446.3	5.8	435.5	4.6	502	31	435.5	4.6	2.4	Single Age
IOS1641_45	545	23.50	0.25900	0.01200	0.03140	0.00120	0.79287	232.6	9.6	199.0	7.7	573	56	DISC	DISC	14.4	Single Age
IOS1641_46	930	8.30	0.34600	0.02800	0.04410	0.00370	0.86752	301.0	21.0	278.0	23.0	500	100	278.0	23.0	7.6	Rim
IOS1641_46	280.2	2.65	0.57500	0.01300	0.07110	0.00100	0.49690	461.2	8.7	442.8	6.3	545	45	442.8	6.3	4.0	Core
IOS1641_47	457	5.67	0.28210	0.00770	0.03535	0.00085	0.62890	251.7	6.0	223.9	5.3	522	49	DISC	DISC	11.0	Single Age
IOS1641_48	1560	15.80	0.16000	0.01900	0.02130	0.00200	0.84915	151.0	17.0	136.0	13.0	380	130	136.0	13.0	9.9	Rim
IOS1641_48	300	1.71	0.55900	0.01100	0.06938	0.00090	0.32010	451.2	7.2	432.4	5.4	534	43	432.4	5.4	4.2	Core
IOS1641_49	3300	53.40	0.04480	0.00480	0.00451	0.00047	0.66594	44.4	4.7	29.0	3.0	980	180	DISC	DISC	34.7	Rim

Table A3, con't.

IOS1641_49	2190	19.70	0.26300	0.01100	0.03224	0.00096	0.67042	236.5	9.0	204.5	6.0	569	72	DISC	DISC	13.5	Rim
IOS1641_49	783	3.27	0.46100	0.01600	0.05480	0.00150	0.58423	384.0	11.0	343.7	8.9	623	62	DISC	DISC	10.5	Core
IOS1641_50	326	3.91	0.45100	0.01300	0.05580	0.00110	0.45198	377.3	9.3	351.2	7.0	538	61	351.2	7.0	6.9	Single Age
IOS1641_51	573	1.52	0.44100	0.01300	0.05410	0.00100	0.52240	369.8	8.9	339.6	6.2	554	54	339.6	6.2	8.2	Single Age
IOS1641_52	3980	39.80	0.08630	0.00440	0.01140	0.00063	0.78594	84.0	4.1	73.1	4.0	417	71	DISC	DISC	13.0	Rim
IOS1641_52	483	1.28	0.39000	0.01600	0.04850	0.00180	0.82891	333.0	11.0	305.0	11.0	530	50	305.0	11.0	8.4	Core
IOS1641_53	253.1	2.23	0.55100	0.01500	0.06930	0.00130	0.41834	445.0	10.0	431.8	8.0	500	59	431.8	8.0	3.0	Single Age
IOS1641_54	3180	63.00	0.07700	0.01100	0.01070	0.00150	0.96728	75.0	11.0	68.5	9.3	305	97	DISC	DISC	8.7	Rim
IOS1641_54	214.1	2.42	0.58200	0.01500	0.07400	0.00150	0.56114	465.0	9.7	460.2	8.9	487	51	460.2	8.9	1.0	Core
IOS1641_55	187.5	1.96	0.48000	0.01100	0.06097	0.00097	0.29969	397.1	7.6	381.4	5.9	480	53	381.4	5.9	4.0	Single Age
IOS1641_56	555	2.37	0.54010	0.00840	0.07072	0.00091	0.69335	438.0	5.5	441.1	5.6	412	30	441.1	5.6	0.7	Single Age
IOS1641_57	3930	71.50	0.05180	0.00540	0.00668	0.00058	0.87044	51.3	5.2	42.9	3.7	440	120	DISC	DISC	16.4	Rim
IOS1641_57	420	10.53	0.29700	0.01600	0.03870	0.00200	0.83040	262.0	12.0	244.0	12.0	424	64	244.0	12.0	6.9	Core
IOS1641_58	4300	222.00	0.02990	0.00470	0.00429	0.00058	0.90895	29.9	4.7	27.6	3.7	210	140	DISC	DISC	7.7	Rim
IOS1641_58	1670	34.70	0.21600	0.01100	0.02750	0.00150	0.77756	198.0	9.0	175.0	9.3	492	76	DISC	DISC	11.6	Rim
IOS1641_58	791	1.31	0.56300	0.01900	0.07290	0.00250	0.85002	455.0	12.0	453.0	15.0	450	40	453.0	15.0	0.4	Core
IOS1641_59	580	7.78	1.24600	0.04900	0.12460	0.00440	0.71377	815.0	22.0	756.0	25.0	995	35	756.0	25.0	7.2	Single Age
IOS1641_60	3260	119.00	0.04400	0.00340	0.00575	0.00053	0.63923	43.7	3.3	36.9	3.4	450	130	DISC	DISC	15.6	Rim
IOS1641_60	168.6	6.37	0.84000	0.02900	0.09870	0.00230	0.70048	616.0	16.0	607.0	13.0	635	53	607.0	13.0	1.5	Core
IOS1641_61	75	2.59	0.58300	0.02400	0.06920	0.00180	0.41606	466.0	16.0	431.0	11.0	614	84	431.0	11.0	7.5	Single Age
IOS1641_62	680	3.61	0.34500	0.01400	0.04610	0.00180	0.46314	300.0	11.0	290.0	11.0	360	99	290.0	11.0	3.3	Rim
IOS1641_62	177.9	2.29	0.55000	0.01500	0.07240	0.00130	0.37323	445.0	10.0	450.4	7.8	403	58	450.4	7.8	1.2	Core
IOS1641_63	3070	32.30	0.13800	0.01400	0.01830	0.00170	0.72597	130.0	12.0	117.0	11.0	380	150	DISC	DISC	10.0	Rim
IOS1641_63	381	2.38	0.52600	0.01900	0.07000	0.00230	0.45825	428.0	13.0	436.0	14.0	374	73	436.0	14.0	1.9	Core
IOS1641_64	3190	226.00	0.05460	0.00280	0.00755	0.00035	0.67095	53.9	2.7	48.5	2.2	307	86	DISC	DISC	10.0	Rim
IOS1641_64	1000	31.00	0.31700	0.02300	0.03900	0.00260	0.80977	277.0	18.0	247.0	16.0	508	79	DISC	DISC	10.8	Core
IOS1641_65	113.9	0.88	0.79700	0.02900	0.09510	0.00250	0.64117	593.0	17.0	585.0	15.0	601	64	585.0	15.0	1.3	Single Age
IOS1641_66	2990	85.00	0.06400	0.01000	0.00770	0.00110	0.89818	62.8	9.8	49.5	7.3	590	160	DISC	DISC	21.2	Rim
IOS1641_66	1039	12.23	0.19710	0.00940	0.02570	0.00100	0.37971	181.7	7.8	163.8	6.4	400	71	163.8	6.4	9.9	Core

Table A3, con't.

IOS1641_67	148	4.16	0.37500	0.02300	0.04860	0.00220	0.75505	321.0	16.0	306.0	14.0	412	84	306.0	14.0	4.7	Single Age
IOS1641_68	455	6.41	0.27500	0.01100	0.03470	0.00110	0.64922	245.8	8.4	219.8	6.7	485	67	DISC	DISC	10.6	Single Age
IOS1641_69	2187	4.23	0.37350	0.00890	0.04850	0.00120	0.64312	321.6	6.6	305.0	7.5	437	44	305.0	7.5	5.2	Single Age
IOS1641_70	805	3.69	0.40600	0.03000	0.05470	0.00360	0.72013	344.0	22.0	343.0	22.0	330	120	343.0	22.0	0.3	Single Age
IOS1641_71	2090	248.00	0.33300	0.01700	0.04660	0.00290	0.74830	292.0	13.0	294.0	18.0	280	100	294.0	18.0	0.7	Rim
IOS1641_71	596	2.29	0.53900	0.01000	0.07160	0.00130	0.46247	437.4	6.7	445.7	8.0	383	43	445.7	8.0	1.9	Core
IOS1641_72	2910	169.00	0.09760	0.00660	0.01304	0.00079	0.79529	94.5	6.1	83.5	5.0	377	90	DISC	DISC	11.6	Rim
IOS1641_72	209.7	2.05	0.56300	0.01400	0.07260	0.00150	0.54376	451.9	9.2	451.7	8.9	423	47	451.7	8.9	0.0	Core
IOS1641_73	277	2.92	0.45900	0.01600	0.05490	0.00190	0.58107	383.0	11.0	344.0	12.0	601	66	DISC	DISC	10.2	Single Age
IOS1641_74	901	3.56	0.57600	0.01000	0.07310	0.00130	0.53424	461.1	6.6	454.8	7.7	485	37	454.8	7.7	1.4	Single Age
IOS1641_75	388	1.68	0.49900	0.02000	0.06240	0.00220	0.77409	411.0	14.0	390.0	13.0	517	55	390.0	13.0	5.1	Single Age
IOS1641_76	3160	150.00	0.05340	0.00550	0.00691	0.00071	0.74103	52.7	5.2	44.3	4.6	460	150	DISC	DISC	15.9	Rim
IOS1641_76	569	6.16	0.34300	0.01300	0.04600	0.00160	0.47188	299.0	10.0	289.8	9.6	367	86	289.8	9.6	3.1	Core
IOS1641_77	541	16.70	0.26700	0.03000	0.03250	0.00350	0.83579	239.0	24.0	206.0	22.0	550	130	DISC	DISC	13.8	Single Age
IOS1641_78	3180	265.00	0.02370	0.00210	0.00351	0.00022	0.20658	23.7	2.1	22.6	1.4	150	200	22.6	1.4	4.6	Rim
IOS1641_78	589	6.67	4.36000	0.28000	0.19500	0.01100	0.97016	1657.0	63.0	1140.0	61.0	2431	33	DISC	DISC	31.2	Core
IOS1641_79	1084	11.83	0.32200	0.01600	0.03830	0.00140	0.62082	282.0	12.0	242.2	8.4	610	81	DISC	DISC	14.1	Rim
IOS1641_79	217	2.41	0.50000	0.03100	0.06740	0.00350	0.71320	409.0	21.0	420.0	21.0	316	94	420.0	21.0	2.7	Core
IOS1641_80	393	4.37	0.48800	0.04400	0.05110	0.00140	0.65794	398.0	28.0	321.2	8.7	800	130	DISC	DISC	19.3	Single Age
IOS1641_81	1258	4.89	0.37400	0.01100	0.05060	0.00160	0.48842	322.1	8.2	318.2	9.9	331	58	318.2	9.9	1.2	Single Age
IOS1641_82	2200	39.00	0.07510	0.00600	0.00950	0.00130	0.77250	73.4	5.6	60.9	8.0	560	180	DISC	DISC	17.0	Rim
IOS1641_82	762	4.06	0.39300	0.01500	0.05060	0.00170	0.78630	335.0	11.0	318.0	10.0	435	51	318.0	10.0	5.1	Core
IOS1641_83	910	18.10	0.35700	0.01100	0.04450	0.00110	0.64274	308.8	7.9	280.7	7.1	506	49	280.7	7.1	9.1	Single Age
IOS1641_84	644.6	2.59	0.55200	0.01200	0.06850	0.00130	0.53049	445.3	7.5	427.0	7.7	523	43	427.0	7.7	4.1	Single Age
IOS1641_85	285	2.18	0.53300	0.01300	0.06970	0.00120	0.49387	432.7	8.3	434.9	7.2	405	45	434.9	7.2	0.5	Single Age
IOS1641_86	428	1.75	0.53600	0.01400	0.06930	0.00140	0.74358	434.5	9.3	431.9	8.4	425	39	431.9	8.4	0.6	Single Age
IOS1641_87	1660	188.00	0.07600	0.00870	0.01120	0.00130	0.72768	74.3	8.3	71.6	8.2	170	170	DISC	DISC	3.6	Rim
IOS1641_87	520	2.86	0.56900	0.01600	0.06990	0.00190	0.56732	456.0	10.0	436.0	12.0	530	59	436.0	12.0	4.4	Core

Table A3, con't.

IOS1641_88	206	3.05	0.53200	0.01500	0.06550	0.00120	0.50353	432.0	9.6	408.8	7.6	530	52	408.8	7.6	5.4	Single Age
IOS1641_89	76.5	2.93	0.50300	0.02300	0.05700	0.00160	0.41596	413.0	16.0	357.0	9.7	686	95	DISC	DISC	13.6	Single Age
IOS1641_90	926	26.20	0.25980	0.00770	0.03100	0.00100	0.68937	233.8	6.2	196.8	6.4	606	52	DISC	DISC	15.8	Single Age
IOS1641_91	5040	233.00	0.04940	0.00930	0.00595	0.00079	0.81567	48.9	8.9	38.3	5.1	560	240	DISC	DISC	21.7	Rim
IOS1641_91	117.8	2.61	0.54100	0.01800	0.07020	0.00170	0.43589	437.0	12.0	437.0	10.0	422	70	437.0	10.0	0.0	Core
IOS1641_92	3740	154.00	0.03090	0.00350	0.00436	0.00052	0.17527	30.9	3.5	28.0	3.4	300	320	DISC	DISC	9.4	Rim
IOS1641_92	455	55.60	0.29720	0.00750	0.03900	0.00110	0.58139	263.7	5.8	246.2	6.7	408	52	246.2	6.7	6.6	Core
IOS1641_93	163	1.50	0.85400	0.01800	0.10010	0.00170	0.40680	625.0	10.0	615.0	10.0	641	46	615.0	10.0	1.6	Single Age
IOS1641_94	525	2.04	0.56200	0.01100	0.07210	0.00120	0.53605	453.1	7.1	448.5	7.5	462	37	448.5	7.5	1.0	Single Age
IOS1641_95	978	8.66	0.15490	0.00510	0.01920	0.00051	0.67472	146.0	4.5	122.6	3.2	512	55	DISC	DISC	16.0	Single Age
IOS1641_96	172	2.31	1.01600	0.04600	0.10580	0.00450	0.83794	707.0	23.0	647.0	26.0	920	53	647.0	26.0	8.5	Single Age
IOS1641_97	613	2.36	0.56310	0.00910	0.07066	0.00099	0.59188	453.8	6.0	440.1	5.9	502	31	440.1	5.9	3.0	Single Age
IOS1641_98	4310	88.70	0.04610	0.00430	0.00618	0.00046	0.63963	45.7	4.1	39.7	3.0	350	160	DISC	DISC	13.1	Rim
IOS1641_98	378	5.13	0.55000	0.02900	0.07020	0.00220	0.74170	444.0	19.0	437.0	13.0	413	80	437.0	13.0	1.6	Core
IOS1641_99	666	0.68	0.24610	0.00640	0.02888	0.00069	0.64012	223.0	5.2	183.5	4.3	633	46	DISC	DISC	17.7	Single Age
IOS1641_100	341	1.69	0.58400	0.01400	0.07480	0.00140	0.60120	467.4	9.6	464.8	8.5	455	46	464.8	8.5	0.6	Single Age
IOS1641_101	3300	90.00	0.08970	0.00580	0.01159	0.00085	0.68442	87.1	5.4	74.3	5.4	440	140	DISC	DISC	14.7	Rim
IOS1641_101	144	5.08	0.39600	0.03900	0.04900	0.00390	0.49504	337.0	28.0	308.0	24.0	500	210	308.0	24.0	8.6	Core
IOS1641_102	579	9.93	1.52000	0.21000	0.11600	0.00830	0.76519	895.0	81.0	703.0	48.0	1310	120	DISC	DISC	21.5	Single Age
IOS1641_103	3560	177.00	0.03120	0.00580	0.00431	0.00076	0.93259	31.1	5.6	27.7	4.9	290	150	DISC	DISC	10.9	Rim
IOS1641_103	248	4.23	0.43400	0.03000	0.05420	0.00210	0.62706	361.0	19.0	340.0	13.0	438	83	340.0	13.0	5.8	Core
IOS1641_104	810	18.50	0.36500	0.01000	0.04860	0.00120	0.59635	314.9	7.6	305.9	7.6	357	52	305.9	7.6	2.9	Single Age
IOS1641_105	1266	3.12	0.55700	0.01400	0.07080	0.00180	0.63939	448.3	8.9	441.0	11.0	455	48	441.0	11.0	1.6	Single Age
IOS1641_106	663	2.94	0.42500	0.01300	0.05540	0.00190	0.55073	358.9	9.0	347.0	11.0	431	68	347.0	11.0	3.3	Single Age
IOS1641_107	3520	114.00	0.05640	0.00460	0.00751	0.00056	0.82625	55.6	4.5	48.2	3.6	364	93	DISC	DISC	13.3	Rim
IOS1641_107	564	8.57	0.21500	0.01300	0.02670	0.00120	0.76527	197.0	11.0	170.1	7.5	489	88	DISC	DISC	13.7	Core
IOS1641_108	270	1.73	0.53800	0.01500	0.06970	0.00180	0.48895	437.0	10.0	434.0	11.0	434	61	434.0	11.0	0.7	Single Age

Table A3, con't.

IOS1641_109	551	1.94	0.50900	0.01500	0.06420	0.00190	0.86328	416.1	9.8	401.0	11.0	488	34	401.0	11.0	3.6	Single Age
IOS1641_110	1399	8.35	0.33600	0.01400	0.04180	0.00100	0.51248	293.1	9.6	263.9	6.3	502	61	263.9	6.3	10.0	Single Age
IOS1641_111	315.7	4.22	1.08800	0.03300	0.11660	0.00230	0.46971	744.0	16.0	710.0	14.0	838	60	710.0	14.0	4.6	Single Age
IOS1641_112	535	18.20	0.93600	0.02600	0.10920	0.00320	0.59555	668.0	13.0	667.0	19.0	678	52	667.0	19.0	0.1	Single Age
IOS1641_113	2502	76.00	0.06480	0.00300	0.00661	0.00035	0.34324	63.7	2.9	42.5	2.3	930	120	DISC	DISC	33.3	Rim
IOS1641_113	349	5.41	0.35700	0.01600	0.04300	0.00150	0.52394	309.0	12.0	271.5	9.2	570	90	DISC	DISC	12.1	Core
IOS1641_114	254	1.72	0.51200	0.01400	0.06520	0.00160	0.60275	418.5	9.2	407.1	9.7	462	51	407.1	9.7	2.7	Single Age
IOS1641_115	880	21.50	0.22600	0.02200	0.02840	0.00260	0.92583	206.0	18.0	180.0	17.0	499	88	DISC	DISC	12.6	Rim
IOS1641_115	102.7	1.56	1.29200	0.03500	0.13710	0.00260	0.48243	842.0	16.0	828.0	15.0	856	52	828.0	15.0	1.7	Core
IOS1641_116	2210	15.60	0.21700	0.02800	0.02790	0.00330	0.91674	199.0	23.0	177.0	21.0	460	120	DISC	DISC	11.1	Rim
IOS1641_116	369	3.05	0.53300	0.01200	0.06940	0.00120	0.51395	432.6	8.2	432.6	7.0	420	45	432.6	7.0	0.0	Core
IOS1641_117	878	3.62	0.50980	0.00840	0.06440	0.00100	0.49890	417.8	5.7	402.4	6.3	484	34	402.4	6.3	3.7	Single Age
IOS1641_118	606	2.79	0.54000	0.00990	0.06840	0.00110	0.60242	437.7	6.5	426.7	6.9	477	35	426.7	6.9	2.5	Single Age
IOS1641_119	77.1	1.89	0.58400	0.02500	0.07150	0.00170	0.30731	464.0	16.0	445.0	10.0	535	90	445.0	10.0	4.1	Single Age
IOS1641_120	1210	69.00	0.29200	0.02500	0.03920	0.00260	0.86208	259.0	19.0	248.0	16.0	349	92	248.0	16.0	4.2	Rim
IOS1641_120	258	1.77	0.54100	0.01600	0.07150	0.00150	0.43746	438.0	10.0	445.2	9.0	377	60	445.2	9.0	1.6	Core
IOS1641_121	1420	11.70	0.32800	0.02400	0.04190	0.00320	0.54393	287.0	18.0	265.0	20.0	470	120	265.0	20.0	7.7	Rim
IOS1641_121	271	1.88	0.56000	0.02000	0.07270	0.00260	0.69328	449.0	13.0	452.0	16.0	433	63	452.0	16.0	0.7	Core
IOS1641_122	2160	73.00	0.08500	0.01500	0.00741	0.00073	0.69519	83.0	14.0	47.6	4.7	1170	210	DISC	DISC	42.7	Rim
IOS1641_122	174	1.58	0.55600	0.01600	0.06720	0.00150	0.43104	448.0	10.0	419.4	9.1	556	66	419.4	9.1	6.4	Core
IOS1641_123	273.7	3.47	0.29600	0.01100	0.03566	0.00095	0.55835	262.1	8.6	225.8	5.9	564	68	DISC	DISC	13.8	Single Age
IOS1641_124	3520	74.50	0.04850	0.00800	0.00564	0.00041	0.69049	48.0	7.6	36.2	2.7	650	220	DISC	DISC	24.6	Rim
IOS1641_124	1200	2.12	0.52530	0.00990	0.06830	0.00130	0.73280	428.1	6.5	425.6	7.9	435	32	425.6	7.9	0.6	Core
IOS1641_125	1670	25.00	0.18700	0.01700	0.02300	0.00200	0.87724	173.0	15.0	147.0	13.0	550	100	DISC	DISC	15.0	Rim
IOS1641_125	586	4.13	0.43200	0.01200	0.05620	0.00140	0.74407	363.6	8.9	352.5	8.3	413	44	352.5	8.3	3.1	Core
IOS1641_126	1552	20.70	0.18740	0.00650	0.02412	0.00077	0.57714	174.3	5.6	153.6	4.8	459	67	DISC	DISC	11.9	Rim
IOS1641_126	394	5.58	0.43900	0.01600	0.06020	0.00180	0.68649	369.0	11.0	377.0	11.0	299	62	377.0	11.0	2.2	Core
IOS1641_127	895	2.38	0.51610	0.00980	0.06460	0.00120	0.48062	421.9	6.5	403.2	7.5	515	38	403.2	7.5	4.4	Single Age

Table A3, con't.

IOS1641_128	335	1.56	0.58300	0.01000	0.07271	0.00079	0.46747	465.9	6.6	453.1	4.9	507	33	453.1	4.9	2.7	Single Age
IOS1641_129	530	4.31	0.60600	0.01900	0.07770	0.00210	0.70241	480.0	12.0	482.0	13.0	458	48	482.0	13.0	0.4	Single Age
IOS1641_130	624	2.62	0.54200	0.01600	0.07000	0.00200	0.72412	438.0	11.0	436.0	12.0	444	47	436.0	12.0	0.5	Single Age
IOS1641_131	369	1.47	0.53100	0.01200	0.06970	0.00140	0.55866	431.5	8.1	434.4	8.7	406	45	434.4	8.7	0.7	Single Age
IOS1641_132	209.6	3.19	0.46300	0.01500	0.05890	0.00180	0.67211	385.0	10.0	369.0	11.0	472	55	369.0	11.0	4.2	Single Age
IOS1641_133	2180	85.00	0.34500	0.01200	0.04620	0.00200	0.77372	300.3	9.2	291.0	13.0	382	63	291.0	13.0	3.1	Rim
IOS1641_133	179	1.78	0.57300	0.01600	0.07080	0.00150	0.42828	458.0	10.0	440.6	8.9	531	58	440.6	8.9	3.8	Core
IOS1641_134	2980	78.10	0.05770	0.00660	0.00738	0.00078	0.74718	56.8	6.3	47.4	5.0	470	170	DISC	DISC	16.5	Rim
IOS1641_134	123.6	1.73	0.52200	0.01600	0.06530	0.00140	0.34722	425.0	11.0	407.7	8.7	498	67	407.7	8.7	4.1	Core
IOS1641_135	1027	2.21	0.57800	0.01100	0.07290	0.00130	0.77338	462.0	7.1	453.7	8.0	497	27	453.7	8.0	1.8	Single Age
IOS1641_136	484	6.21	0.36300	0.01300	0.04720	0.00140	0.71975	313.6	9.9	296.9	8.8	444	56	296.9	8.8	5.3	Single Age
IOS1641_137	2400	114.00	0.07900	0.01300	0.01060	0.00150	0.93038	77.0	12.0	68.0	9.8	330	150	DISC	DISC	11.7	Rim
IOS1641_137	160.8	2.32	0.50200	0.01700	0.06390	0.00170	0.56772	411.0	12.0	399.0	11.0	456	62	399.0	11.0	2.9	Core
IOS1641_138	115	1.99	0.53400	0.02200	0.06770	0.00130	0.37984	432.0	14.0	421.9	8.0	456	79	421.9	8.0	2.3	Single Age
IOS1641_139	1430	253.00	0.18400	0.00910	0.02490	0.00130	0.81869	170.9	7.8	158.5	8.1	340	73	158.5	8.1	7.3	Rim
IOS1641_139	186.5	1.66	0.59800	0.01900	0.07330	0.00120	0.41550	475.0	12.0	456.2	7.2	549	63	456.2	7.2	4.0	Core
IOS1641_140	383	1.28	0.52900	0.01400	0.06750	0.00160	0.74267	430.0	9.0	420.9	9.5	471	37	420.9	9.5	2.1	Single Age

SAMPLE NAME: IOS1663

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1663_1	1214	86.00	0.39100	0.01300	0.05470	0.00250	0.80819	334.6	9.7	343.0	15.0	301	86	343.0	15.0	2.5	Rim
IOS1663_1	268	5.02	0.86000	0.03200	0.09620	0.00250	0.43512	628.0	17.0	592.0	15.0	749	74	592.0	15.0	5.7	Core
IOS1663_2	343	73.00	0.39700	0.01100	0.05330	0.00140	0.02973	339.4	8.3	334.9	8.8	373	87	334.9	8.8	1.3	Rim
IOS1663_2	122.3	1.06	1.57300	0.04000	0.16110	0.00300	0.38142	958.0	16.0	963.0	17.0	945	51	963.0	17.0	0.5	Core
IOS1663_3	329	15.40	0.41000	0.01000	0.05480	0.00150	0.29304	348.5	7.2	344.0	8.9	386	68	344.0	8.9	1.3	Single Age

Table A3, con't.

IOS1663_4	2700	111.00	0.37590	0.00550	0.05165	0.00068	0.62936	323.9	4.0	324.6	4.2	327	30	324.6	4.2	0.2	Rim
IOS1663_4	407	6.30	3.84000	0.13000	0.23570	0.00820	0.96109	1595.0	28.0	1362.0	43.0	1930	17	DISC	DISC	29.4	Core
IOS1663_5	307	7.48	0.40500	0.01200	0.05414	0.00090	0.54311	344.2	8.5	339.8	5.5	369	53	339.8	5.5	1.3	Single Age
IOS1663_6	506	33.80	0.43500	0.01500	0.05270	0.00120	0.53431	366.0	11.0	330.8	7.4	601	60	330.8	7.4	9.6	Rim
IOS1663_6	350.4	1.47	0.81300	0.02300	0.09650	0.00190	0.68150	603.0	13.0	594.0	11.0	641	44	594.0	11.0	1.5	Core
IOS1663_7	121	4.39	0.38600	0.01400	0.05244	0.00081	0.25726	329.0	11.0	329.4	5.0	329	74	329.4	5.0	0.1	Single Age
IOS1663_8	394	15.60	0.37250	0.00860	0.05119	0.00084	0.49778	321.1	6.4	321.8	5.1	337	46	321.8	5.1	0.2	Rim
IOS1663_8	282.3	4.85	0.62700	0.02400	0.07600	0.00170	0.63714	494.0	15.0	472.0	10.0	593	64	472.0	10.0	4.5	Core
IOS1663_9	1720	82.00	0.36120	0.00590	0.04956	0.00058	0.49949	312.9	4.4	311.8	3.6	327	33	311.8	3.6	0.4	Rim
IOS1663_9	569	12.57	0.81000	0.01300	0.09771	0.00093	0.33396	602.1	7.1	600.9	5.4	607	34	600.9	5.4	0.2	Core
IOS1663_10	531	30.90	0.41900	0.01700	0.05530	0.00240	0.52675	354.0	12.0	347.0	15.0	411	87	347.0	15.0	2.0	Rim
IOS1663_10	237.2	1.29	5.50000	0.20000	0.32200	0.01300	0.51074	1893.0	32.0	1797.0	63.0	2005	68	2005.0	68.0	10.4	Core
IOS1663_11	355	0.72	6.23900	0.08800	0.37290	0.00540	0.52501	2010.0	13.0	2042.0	25.0	1975	23	1975.0	23.0	3.4	Single Age
IOS1663_12	72.2	3.08	0.39600	0.01600	0.05390	0.00100	0.17988	337.0	12.0	338.6	6.2	327	86	338.6	6.2	0.5	Single Age
IOS1663_13	621	21.80	0.38600	0.01200	0.05480	0.00150	0.63436	333.1	9.9	344.1	9.3	252	58	344.1	9.3	3.3	Single Age
IOS1663_14	1034	11.10	0.40400	0.01100	0.05410	0.00130	0.74322	343.4	8.2	339.5	8.2	362	42	339.5	8.2	1.1	Rim
IOS1663_14	591	7.86	0.51800	0.01800	0.06780	0.00260	0.70427	423.0	12.0	423.0	16.0	418	65	423.0	16.0	0.0	Core
IOS1663_15	862	27.90	0.45800	0.02600	0.05910	0.00370	0.69146	381.0	18.0	370.0	22.0	463	86	370.0	22.0	2.9	Rim
IOS1663_15	473	3.81	1.07500	0.02600	0.12080	0.00270	0.59758	740.0	13.0	735.0	15.0	749	44	735.0	15.0	0.7	Core
IOS1663_16	313.4	79.50	0.42600	0.01300	0.05530	0.00160	0.44466	358.9	9.2	347.0	10.0	432	67	347.0	10.0	3.3	Single Age
IOS1663_17	580	13.70	0.41700	0.02700	0.05700	0.00360	0.65810	353.0	19.0	357.0	22.0	340	120	357.0	22.0	1.1	Rim
IOS1663_17	160.3	0.83	7.17000	0.14000	0.39570	0.00520	0.65009	2130.0	17.0	2148.0	24.0	2114	26	2114.0	26.0	1.6	Core
IOS1663_18	1090	36.60	0.39600	0.00970	0.05350	0.00100	0.57548	338.1	7.0	336.1	6.4	347	46	336.1	6.4	0.6	Rim
IOS1663_18	132	1.23	9.11000	0.30000	0.42700	0.01800	0.75981	2346.0	31.0	2287.0	82.0	2404	45	2404.0	45.0	4.9	Core
IOS1663_19	576	1.14	0.87000	0.02400	0.10100	0.00200	0.63611	634.0	13.0	620.0	12.0	677	49	620.0	12.0	2.2	Single Age
IOS1663_20	702	19.10	0.37970	0.00910	0.05503	0.00095	0.51632	326.4	6.7	345.3	5.8	215	49	345.3	5.8	5.8	Single Age
IOS1663_21	609	12.15	0.41800	0.01000	0.05770	0.00120	0.64124	353.8	7.3	361.4	7.4	306	43	361.4	7.4	2.1	Single Age
IOS1663_22	923	22.70	0.38700	0.01400	0.05270	0.00150	0.56253	331.9	9.9	330.9	9.0	346	67	330.9	9.0	0.3	Rim

Table A3, con't.

IOS1663_22	258	11.05	0.93400	0.02400	0.11070	0.00240	0.57433	669.0	12.0	676.0	14.0	645	47	676.0	14.0	1.0	Core
IOS1663_23	45.7	1.13	0.38700	0.01700	0.05177	0.00093	0.13050	329.0	13.0	325.3	5.7	342	92	325.3	5.7	1.1	Single Age
IOS1663_24	141.9	2.31	1.27800	0.03300	0.12340	0.00130	0.37091	834.0	15.0	750.3	7.3	1064	48	DISC	DISC	10.0	Single Age
IOS1663_25	210	2.65	0.64400	0.02500	0.08790	0.00320	0.72372	502.0	15.0	543.0	19.0	329	59	543.0	19.0	8.2	Single Age
IOS1663_26	396	48.40	0.39000	0.01100	0.05240	0.00100	0.43683	334.3	8.0	329.4	6.3	356	61	329.4	6.3	1.5	Rim
IOS1663_26	586	13.63	7.94000	0.17000	0.36240	0.00670	0.87754	2220.0	19.0	1992.0	32.0	2442	17	2442.0	17.0	18.4	Core
IOS1663_27	272.2	2.88	14.49000	0.43000	0.47100	0.01100	0.89687	2770.0	29.0	2484.0	48.0	2993	22	2993.0	22.0	17.0	Single Age
IOS1663_28	690	58.80	0.41700	0.01900	0.05810	0.00210	0.47533	353.0	13.0	364.0	13.0	287	91	364.0	13.0	3.1	Rim
IOS1663_28	831	2.38	1.43100	0.03900	0.14710	0.00300	0.54093	901.0	16.0	885.0	17.0	938	50	885.0	17.0	1.8	Core
IOS1663_29	490	8.80	0.40600	0.01400	0.05650	0.00150	0.48166	344.0	10.0	353.9	9.0	296	69	353.9	9.0	2.9	Single Age
IOS1663_30	878	40.40	0.43000	0.02300	0.05730	0.00340	0.55683	361.0	16.0	359.0	21.0	390	110	359.0	21.0	0.6	Single Age
IOS1663_31	273	5.29	10.25000	0.52000	0.44600	0.01800	0.95694	2432.0	53.0	2366.0	83.0	2499	31	2499.0	31.0	5.3	Single Age
IOS1663_32	315	12.30	0.39600	0.01200	0.05280	0.00120	0.60958	337.5	8.8	331.5	7.5	387	58	331.5	7.5	1.8	Single Age
IOS1663_33	69	1.18	2.18000	0.14000	0.06740	0.00300	0.39859	1163.0	44.0	420.0	18.0	3052	97	DISC	DISC	63.9	Single Age
IOS1663_34	924	31.30	0.45400	0.01400	0.05180	0.00120	0.59570	379.1	9.5	325.5	7.6	705	50	DISC	DISC	14.1	Rim
IOS1663_34	426	5.22	0.86600	0.03100	0.09050	0.00210	0.46922	632.0	17.0	559.0	12.0	885	65	DISC	DISC	11.6	Core
IOS1663_35	394	2.19	0.78900	0.02200	0.09750	0.00240	0.32864	589.0	12.0	599.0	14.0	528	65	599.0	14.0	1.7	Single Age
IOS1663_36	419	117.30	0.34400	0.01400	0.05090	0.00150	0.53065	302.0	11.0	320.0	9.3	150	78	320.0	9.3	6.0	Rim
IOS1663_36	602	4.72	0.70200	0.02400	0.08440	0.00260	0.67576	539.0	15.0	522.0	15.0	589	60	522.0	15.0	3.2	Core
IOS1663_37	565	29.80	0.47300	0.01900	0.05360	0.00110	0.23388	391.0	13.0	336.7	6.5	705	86	DISC	DISC	13.9	Single Age
IOS1663_38	1306	36.50	0.38900	0.01100	0.05580	0.00190	0.56483	333.0	8.0	350.0	12.0	217	65	350.0	12.0	5.1	Single Age
IOS1663_39	902	43.90	0.37060	0.00570	0.05018	0.00063	0.43287	319.8	4.2	315.6	3.9	322	35	315.6	3.9	1.3	Single Age
IOS1663_40	624	19.70	0.72700	0.04800	0.06430	0.00350	0.67765	549.0	28.0	401.0	21.0	1210	110	DISC	DISC	27.0	Rim
IOS1663_40	410	4.28	2.62000	0.13000	0.17090	0.00820	0.60869	1301.0	36.0	1015.0	45.0	1805	75	DISC	DISC	22.0	Core
IOS1663_41	910	28.70	0.45900	0.02000	0.06140	0.00270	0.71012	382.0	14.0	384.0	16.0	353	74	384.0	16.0	0.5	Rim
IOS1663_41	256.9	7.06	0.59100	0.01400	0.07460	0.00120	0.20986	470.6	9.0	463.9	7.5	492	60	463.9	7.5	1.4	Core
IOS1663_42	1130	30.90	0.38600	0.01400	0.05320	0.00210	0.61499	330.0	10.0	336.0	13.0	291	72	336.0	13.0	1.8	Rim

Table A3, con't.

IOS1663_42	1600	2.02	0.73300	0.02000	0.09140	0.00250	0.83346	557.0	12.0	563.0	15.0	520	36	563.0	15.0	1.1	Core
IOS1663_43	1020	96.00	0.41000	0.01600	0.05410	0.00250	0.65682	347.0	12.0	339.0	15.0	412	75	339.0	15.0	2.3	Rim
IOS1663_43	83	1.21	0.81200	0.04200	0.09700	0.00390	0.46925	600.0	24.0	596.0	23.0	590	110	596.0	23.0	0.7	Core
IOS1663_44	494	1.22	0.93000	0.02300	0.10380	0.00150	0.23118	666.0	12.0	636.5	8.6	750	54	636.5	8.6	4.4	Single Age
IOS1663_45	832	28.40	0.42600	0.00980	0.05643	0.00088	0.52659	359.5	6.9	353.8	5.4	376	43	353.8	5.4	1.6	Single Age
IOS1663_46	194	21.90	0.43000	0.01500	0.05800	0.00180	0.31075	362.0	10.0	363.0	11.0	357	81	363.0	11.0	0.3	Single Age
IOS1663_47	212	16.50	0.39000	0.01500	0.05470	0.00160	0.49052	333.0	11.0	343.0	10.0	268	73	343.0	10.0	3.0	Single Age
IOS1663_48	619	11.90	0.49500	0.02600	0.05580	0.00210	0.61509	406.0	18.0	350.0	13.0	707	89	DISC	DISC	13.8	Single Age
IOS1663_49	586	25.20	0.37900	0.03100	0.05270	0.00350	0.62878	324.0	23.0	331.0	22.0	270	150	331.0	22.0	2.2	Rim
IOS1663_49	1033	10.30	0.51300	0.02800	0.06930	0.00380	0.78760	417.0	18.0	431.0	23.0	372	75	431.0	23.0	3.4	Core
IOS1663_50	486	76.90	0.40600	0.01400	0.05530	0.00180	0.52903	349.0	12.0	347.0	11.0	357	81	347.0	11.0	0.6	Rim
IOS1663_50	612	12.40	2.44000	0.33000	0.18500	0.01600	0.98657	1162.0	90.0	1083.0	83.0	1290	100	1083.0	83.0	6.8	Core
IOS1663_51	570	9.59	0.41100	0.01900	0.05590	0.00210	0.53588	348.0	14.0	351.0	13.0	333	88	351.0	13.0	0.9	Single Age
IOS1663_52	898	19.37	0.48600	0.01900	0.05440	0.00130	0.43816	401.0	13.0	341.6	8.0	752	72	DISC	DISC	14.8	Single Age
IOS1663_53	1475	24.40	0.36400	0.02000	0.04920	0.00300	0.66364	314.0	15.0	310.0	18.0	400	110	310.0	18.0	1.3	Rim
IOS1663_53	233	1.28	0.81500	0.01800	0.10280	0.00180	0.51089	604.0	10.0	630.0	10.0	517	43	630.0	10.0	4.3	Core
IOS1663_54	730	28.20	0.40500	0.02200	0.05410	0.00270	0.56555	344.0	16.0	340.0	16.0	390	100	340.0	16.0	1.2	Rim
IOS1663_54	130.3	1.59	11.70000	0.40000	0.49300	0.01700	0.91059	2572.0	33.0	2573.0	72.0	2586	24	2586.0	24.0	0.5	Core
IOS1663_55	431	19.40	0.43000	0.02300	0.05860	0.00310	0.72243	364.0	17.0	366.0	19.0	347	92	366.0	19.0	0.5	Rim
IOS1663_55	272	3.55	0.62100	0.02000	0.07810	0.00210	0.53789	489.0	13.0	485.0	13.0	509	64	485.0	13.0	0.8	Core
IOS1663_56	68.6	2.54	0.39000	0.01500	0.05240	0.00110	0.32751	332.0	11.0	329.1	6.9	354	80	329.1	6.9	0.9	Single Age
IOS1663_57	900	31.00	0.40400	0.01100	0.05640	0.00130	0.66483	345.0	8.4	353.9	8.1	262	46	353.9	8.1	2.6	Single Age
IOS1663_58	761	23.90	0.41230	0.00740	0.05449	0.00061	0.41647	350.2	5.3	342.0	3.7	383	35	342.0	3.7	2.3	Single Age
IOS1663_59	280.3	40.10	0.38520	0.00720	0.05255	0.00059	0.33088	331.3	5.5	330.1	3.6	307	43	330.1	3.6	0.4	Single Age
IOS1663_60	975	86.00	0.41410	0.00970	0.05680	0.00130	0.54349	351.3	7.0	356.2	8.1	311	48	356.2	8.1	1.4	Single Age
IOS1663_61	497	65.00	0.41600	0.02600	0.05440	0.00240	0.49087	352.0	19.0	342.0	15.0	440	130	342.0	15.0	2.8	Rim
IOS1663_61	433	3.48	0.77800	0.02100	0.09170	0.00260	0.66343	583.0	12.0	565.0	15.0	631	43	565.0	15.0	3.1	Core
IOS1663_62	856	18.70	0.44300	0.02900	0.05550	0.00360	0.61011	370.0	20.0	348.0	22.0	510	120	348.0	22.0	5.9	Rim

Table A3, con’t.

IOS1663_62	313	1.45	0.60300	0.01700	0.07640	0.00160	0.52359	478.0	11.0	474.7	9.6	466	56	474.7	9.6	0.7	Core
IOS1663_63	67	1.51	0.58700	0.05200	0.05300	0.00220	0.20698	465.0	32.0	333.0	13.0	1190	220	DISC	DISC	28.4	Single Age
IOS1663_64	317	61.20	0.41000	0.02400	0.05480	0.00200	0.36411	348.0	17.0	344.0	12.0	360	120	344.0	12.0	1.1	Rim
IOS1663_64	468	2.26	1.18800	0.04600	0.12300	0.00420	0.92760	790.0	21.0	747.0	24.0	923	29	747.0	24.0	5.4	Core
IOS1663_65	789	22.90	0.39490	0.00950	0.05490	0.00120	0.48880	338.0	6.7	344.2	7.1	291	48	344.2	7.1	1.8	Single Age
IOS1663_66	281.6	51.90	0.37300	0.01100	0.05410	0.00150	0.64759	321.1	7.8	339.6	9.1	219	53	339.6	9.1	5.8	Rim
IOS1663_66	206	0.87	0.77700	0.04200	0.09590	0.00470	0.90536	581.0	24.0	590.0	27.0	556	52	590.0	27.0	1.5	Core
IOS1663_67	291	21.70	0.40200	0.01600	0.05600	0.00160	0.25427	343.0	11.0	350.9	9.6	315	94	350.9	9.6	2.3	Rim
IOS1663_67	683	26.70	0.73400	0.02400	0.09130	0.00210	0.84213	557.0	14.0	563.0	13.0	536	38	563.0	13.0	1.1	Core
IOS1663_68	515	3.76	0.79900	0.05200	0.09140	0.00580	0.64506	592.0	30.0	562.0	34.0	730	110	562.0	34.0	5.1	Single Age
IOS1663_69	1054	80.20	0.40700	0.01000	0.05348	0.00090	0.45571	346.0	7.4	335.8	5.5	420	51	335.8	5.5	2.9	Rim
IOS1663_69	150	3.15	5.44000	0.33000	0.33700	0.01800	0.92659	1877.0	57.0	1866.0	87.0	1908	44	1908.0	44.0	2.2	Core
IOS1663_70	283	12.89	0.50900	0.03000	0.06800	0.00410	0.79294	419.0	21.0	424.0	24.0	382	90	424.0	24.0	1.2	Rim
IOS1663_70	35.1	1.14	1.59800	0.09600	0.17080	0.00850	0.64791	961.0	38.0	1014.0	47.0	840	100	1014.0	47.0	5.5	Core
IOS1663_71	352	31.60	0.43000	0.02600	0.05810	0.00340	0.52150	362.0	18.0	364.0	21.0	360	120	364.0	21.0	0.6	Rim
IOS1663_71	745	2.99	4.71000	0.28000	0.31300	0.01600	0.65005	1752.0	49.0	1751.0	80.0	1763	90	1763.0	90.0	0.7	Core
IOS1663_72	718	62.00	0.46000	0.02800	0.06170	0.00360	0.57360	384.0	20.0	385.0	22.0	380	110	385.0	22.0	0.3	Rim
IOS1663_72	202.3	4.08	1.11200	0.05800	0.11770	0.00540	0.59277	753.0	27.0	716.0	31.0	860	93	716.0	31.0	4.9	Core
IOS1663_73	564	31.00	0.44600	0.01500	0.05890	0.00170	0.66701	372.0	10.0	368.0	10.0	401	55	368.0	10.0	1.1	Single Age
IOS1663_74	386	18.70	0.49500	0.04600	0.06270	0.00540	0.56448	406.0	30.0	392.0	33.0	500	150	392.0	33.0	3.4	Rim
IOS1663_74	194.9	1.18	1.13300	0.05200	0.13100	0.00570	0.62915	763.0	24.0	792.0	32.0	681	82	792.0	32.0	3.8	Core
IOS1663_75	766	21.10	0.42100	0.01100	0.05600	0.00110	0.58968	355.8	8.1	351.1	6.6	376	49	351.1	6.6	1.3	Single Age
IOS1663_76	932	4.69	0.58800	0.01800	0.07450	0.00230	0.64766	468.0	11.0	463.0	14.0	497	58	463.0	14.0	1.1	Rim
IOS1663_76	424	1.99	0.87300	0.05200	0.09660	0.00350	0.70605	632.0	28.0	594.0	20.0	747	96	594.0	20.0	6.0	Core
IOS1663_77	350	5.90	0.46200	0.01600	0.05900	0.00110	0.31342	383.0	11.0	369.5	6.6	437	69	369.5	6.6	3.5	Single Age
IOS1663_78	49.5	-620.00	0.88300	0.03400	0.10700	0.00240	0.16297	639.0	19.0	655.0	14.0	570	90	655.0	14.0	2.5	Single Age
IOS1663_79	1340	55.70	0.42400	0.01600	0.05660	0.00210	0.69516	358.0	11.0	354.0	13.0	389	65	354.0	13.0	1.1	Rim
IOS1663_79	258	7.17	4.12000	0.42000	0.26000	0.02300	0.96102	1618.0	89.0	1480.0	120.0	1842	57	1842.0	57.0	19.7	Core

Table A3, con't.

IOS1663_80	379	13.60	0.42300	0.01800	0.06020	0.00220	0.55138	357.0	12.0	377.0	13.0	264	77	377.0	13.0	5.6	Single Age
IOS1663_81	606	5.83	0.39800	0.01300	0.05350	0.00130	0.53442	338.6	9.7	335.8	7.9	358	64	335.8	7.9	0.8	Single Age
IOS1663_82	666	64.70	0.38300	0.01600	0.05640	0.00170	0.59653	329.0	11.0	353.0	11.0	172	71	353.0	11.0	7.3	Rim
IOS1663_82	63.5	5.97	9.02000	0.50000	0.36900	0.01700	0.94041	2313.0	57.0	2015.0	81.0	2613	35	2613.0	35.0	22.9	Core
IOS1663_83	502	44.00	0.40420	0.00630	0.05731	0.00070	0.49230	344.4	4.6	359.2	4.2	261	32	359.2	4.2	4.3	Single Age
IOS1663_84	64.6	1.85	0.43000	0.01600	0.05438	0.00097	0.10154	361.0	11.0	341.3	5.9	475	85	341.3	5.9	5.5	Single Age
IOS1663_85	233.1	0.97	1.03200	0.02300	0.11570	0.00150	0.37293	718.0	12.0	705.4	8.4	755	45	705.4	8.4	1.8	Single Age
IOS1663_86	432	17.60	0.41500	0.01000	0.05410	0.00120	0.39359	351.4	7.5	339.8	7.3	431	63	339.8	7.3	3.3	Single Age
IOS1663_87	1336	57.50	0.40020	0.00990	0.05400	0.00120	0.60980	341.3	7.2	339.2	7.3	364	47	339.2	7.3	0.6	Rim
IOS1663_87	340.6	9.26	0.97100	0.03100	0.10800	0.00280	0.73838	691.0	15.0	661.0	17.0	772	47	661.0	17.0	4.3	Core
IOS1663_88	574	20.90	0.42200	0.01200	0.05710	0.00150	0.52751	357.2	8.3	358.2	9.4	351	58	358.2	9.4	0.3	Rim
IOS1663_88	484	1.88	0.93200	0.04400	0.10430	0.00410	0.89277	665.0	23.0	639.0	24.0	756	43	639.0	24.0	3.9	Core
IOS1663_89	310	79.20	0.39800	0.01200	0.05390	0.00130	0.49084	339.6	8.3	338.2	8.1	342	60	338.2	8.1	0.4	Rim
IOS1663_89	126	1.70	0.76200	0.02400	0.09790	0.00240	0.37064	573.0	14.0	602.0	14.0	447	66	602.0	14.0	5.1	Core
IOS1663_90	213	18.30	0.44800	0.06000	0.05340	0.00530	0.42258	373.0	42.0	335.0	33.0	590	290	DISC	DISC	10.2	Rim
IOS1663_90	666	5.07	0.71100	0.02000	0.08240	0.00170	0.49779	545.0	12.0	510.0	10.0	671	54	510.0	10.0	6.4	Core
IOS1663_91	316.5	0.86	1.73100	0.02800	0.17220	0.00280	0.62314	1019.0	10.0	1024.0	16.0	1000	29	1024.0	16.0	0.5	Single Age
IOS1663_92	868	38.90	0.39300	0.01300	0.05370	0.00140	0.64403	335.8	9.3	336.9	8.7	334	56	336.9	8.7	0.3	Single Age
IOS1663_93	44.21	1.55	0.40200	0.01700	0.05271	0.00084	0.13633	341.0	12.0	331.7	5.3	377	89	331.7	5.3	2.7	Single Age
IOS1663_94	407	10.40	0.42400	0.01100	0.05810	0.00100	0.57187	357.5	7.6	363.9	6.2	303	44	363.9	6.2	1.8	Single Age
IOS1663_95	578	33.50	0.44400	0.03500	0.05620	0.00380	0.59783	372.0	25.0	352.0	23.0	510	130	352.0	23.0	5.4	Rim
IOS1663_95	266	1.09	0.82800	0.06000	0.09880	0.00610	0.42667	608.0	32.0	607.0	35.0	570	160	607.0	35.0	0.2	Core
IOS1663_96	227.8	4.46	0.40200	0.01100	0.05370	0.00110	0.63227	341.7	7.7	336.8	6.8	369	46	336.8	6.8	1.4	Single Age
IOS1663_97	105.1	2.40	6.23000	0.12000	0.36320	0.00670	0.88075	2004.0	17.0	1994.0	31.0	2032	23	2032.0	23.0	1.9	Single Age
IOS1663_98	835	108.00	0.42190	0.00960	0.05640	0.00100	0.44444	356.5	6.8	353.6	6.4	381	47	353.6	6.4	0.8	Single Age
IOS1663_99	93	6.20	0.38900	0.01500	0.05410	0.00110	0.26324	333.0	11.0	339.5	6.8	287	77	339.5	6.8	2.0	Single Age
IOS1663_100	842	14.93	0.38610	0.00630	0.05438	0.00072	0.62374	331.2	4.6	341.3	4.4	271	29	341.3	4.4	3.0	Single Age

Table A3, con't.

IOS1663_101	968	113.00	0.39300	0.03100	0.05270	0.00460	0.63271	335.0	22.0	331.0	28.0	410	150	331.0	28.0	1.2	Rim
IOS1663_101	988	2.27	0.89300	0.03000	0.10730	0.00360	0.83211	645.0	16.0	656.0	21.0	623	44	656.0	21.0	1.7	Core
IOS1663_102	934	42.50	0.41700	0.01200	0.05760	0.00190	0.41225	355.3	9.4	361.0	11.0	322	80	361.0	11.0	1.6	Rim
IOS1663_102	535	5.12	0.85300	0.03300	0.10090	0.00270	0.81134	624.0	18.0	619.0	16.0	653	47	619.0	16.0	0.8	Core
IOS1663_103	289	42.50	0.43100	0.01200	0.05357	0.00087	0.42215	363.4	8.6	336.4	5.3	553	59	336.4	5.3	7.4	Single Age
IOS1663_104	131	3.62	0.39200	0.01500	0.05370	0.00120	0.40832	334.0	11.0	337.0	7.5	307	73	337.0	7.5	0.9	Single Age
IOS1663_105	384	68.50	0.41400	0.01100	0.05740	0.00130	0.66345	350.6	7.9	359.5	8.2	294	47	359.5	8.2	2.5	Single Age
IOS1663_106	236	7.10	0.43600	0.01600	0.05670	0.00110	0.12570	366.0	11.0	355.2	7.0	410	66	355.2	7.0	3.0	Single Age
IOS1663_107	481	20.60	0.38800	0.01900	0.05630	0.00250	0.70014	331.0	14.0	353.0	15.0	198	75	353.0	15.0	6.6	Rim
IOS1663_107	115.7	1.06	1.02200	0.05300	0.11240	0.00450	0.68994	710.0	26.0	686.0	26.0	782	77	686.0	26.0	3.4	Core
IOS1663_108	196	4.13	0.51900	0.04100	0.07090	0.00490	0.56890	421.0	27.0	441.0	29.0	340	130	441.0	29.0	4.8	Rim
IOS1663_108	57.6	2.31	8.35000	0.38000	0.36300	0.01100	0.64936	2257.0	43.0	1995.0	51.0	2491	63	2491.0	63.0	19.9	Core
IOS1663_109	1020	137.80	0.43100	0.01300	0.05860	0.00130	0.69012	362.6	8.8	367.0	7.7	333	47	367.0	7.7	1.2	Single Age
IOS1663_110	474	12.70	0.62700	0.04700	0.08090	0.00570	0.84522	487.0	29.0	500.0	34.0	435	89	500.0	34.0	2.7	Rim
IOS1663_110	62.2	2.73	1.50600	0.05700	0.15900	0.00410	0.48081	928.0	23.0	950.0	23.0	873	77	950.0	23.0	2.4	Core
IOS1663_111	96	10.00	0.42700	0.01800	0.05880	0.00110	0.23031	359.0	13.0	368.3	6.8	293	86	368.3	6.8	2.6	Single Age
IOS1663_112	519	87.80	0.41900	0.01200	0.05630	0.00130	0.58254	354.0	8.7	353.2	8.1	349	53	353.2	8.1	0.2	Single Age
IOS1663_113	534	28.00	0.40200	0.02300	0.05800	0.00350	0.71872	342.0	17.0	363.0	21.0	203	89	363.0	21.0	6.1	Rim
IOS1663_113	287.9	2.74	3.10000	0.18000	0.22000	0.01000	0.70153	1416.0	44.0	1280.0	54.0	1636	78	1636.0	78.0	21.8	Core
IOS1663_114	542	20.10	0.41500	0.01400	0.05520	0.00140	0.48449	352.0	10.0	346.4	8.6	399	68	346.4	8.6	1.6	Single Age
IOS1663_115	363	28.90	0.39880	0.00750	0.05612	0.00073	0.34322	340.3	5.5	351.9	4.4	285	42	351.9	4.4	3.4	Single Age
IOS1663_116	96.4	1.57	0.39600	0.01500	0.05390	0.00140	0.28337	336.0	11.0	338.5	8.5	343	73	338.5	8.5	0.7	Single Age
IOS1663_117	405	16.02	0.45400	0.02400	0.05730	0.00310	0.58756	378.0	17.0	359.0	19.0	530	110	359.0	19.0	5.0	Single Age
IOS1663_118	555	17.52	0.38230	0.00640	0.05262	0.00051	0.32250	328.4	4.7	330.5	3.1	335	36	330.5	3.1	0.6	Single Age
IOS1663_119	831	19.20	0.44600	0.01900	0.06290	0.00260	0.73725	374.0	13.0	393.0	16.0	300	66	393.0	16.0	5.1	Rim
IOS1663_119	480	2.24	0.84600	0.02500	0.10430	0.00250	0.68256	621.0	14.0	639.0	15.0	583	47	639.0	15.0	2.9	Core
IOS1663_120	414	12.50	0.41400	0.01400	0.05820	0.00120	0.47839	353.2	9.8	364.3	7.6	298	60	364.3	7.6	3.1	Single Age

Table A3, con't.

IOS1663_121	719	27.30	0.37530	0.00640	0.05307	0.00071	0.62555	323.2	4.7	333.3	4.4	274	30	333.3	4.4	3.1	Single Age
IOS1663_122	866	9.90	0.43710	0.00830	0.05730	0.00100	0.38751	367.9	5.9	359.1	6.1	443	46	359.1	6.1	2.4	Single Age
IOS1663_123	534	0.68	1.87300	0.02100	0.18600	0.00200	0.64517	1071.0	7.4	1100.0	11.0	1020	19	1100.0	11.0	2.7	Single Age
IOS1663_124	273	11.20	0.41800	0.01500	0.05350	0.00100	0.34953	354.0	10.0	335.7	6.2	472	69	335.7	6.2	5.2	Rim
IOS1663_124	703	2.51	0.81300	0.02200	0.09370	0.00160	0.71858	605.0	13.0	577.2	9.3	719	41	577.2	9.3	4.6	Core
IOS1663_125	103	4.40	0.49100	0.02500	0.06650	0.00230	0.35959	403.0	17.0	415.0	14.0	360	110	415.0	14.0	3.0	Single Age
IOS1663_126	332	56.10	0.41900	0.01200	0.05700	0.00140	0.51666	355.8	8.5	357.2	8.6	342	54	357.2	8.6	0.4	Single Age
IOS1663_127	297	12.50	0.44700	0.02300	0.06050	0.00300	0.54967	373.0	17.0	378.0	18.0	373	99	378.0	18.0	1.3	Single Age
IOS1663_128	611	128.00	0.40600	0.01100	0.05420	0.00150	0.36604	345.3	7.8	340.1	8.9	377	64	340.1	8.9	1.5	Rim
IOS1663_128	100.1	3.96	0.66000	0.02500	0.08020	0.00220	0.47602	514.0	16.0	497.0	13.0	569	81	497.0	13.0	3.3	Core
IOS1663_129	639	37.20	0.45200	0.01300	0.05712	0.00099	0.38659	377.6	9.1	358.1	6.0	475	59	358.1	6.0	5.2	Rim
IOS1663_129	199	1.29	8.16000	0.83000	0.35500	0.03200	0.98489	2190.0	100.0	1940.0	150.0	2488	37	2488.0	37.0	22.0	Core
IOS1663_130	478	31.00	0.41500	0.01000	0.05723	0.00088	0.52975	351.5	7.3	358.7	5.3	285	46	358.7	5.3	2.0	Single Age
IOS1663_131	352	73.00	0.41600	0.02400	0.05890	0.00430	0.54361	351.0	17.0	368.0	26.0	300	120	368.0	26.0	4.8	Rim
IOS1663_131	499	7.08	0.74500	0.02100	0.09130	0.00270	0.64870	566.0	13.0	563.0	16.0	557	49	563.0	16.0	0.5	Core
IOS1663_132	332	32.10	0.40600	0.01500	0.05450	0.00160	0.33183	345.0	11.0	342.0	10.0	355	81	342.0	10.0	0.9	Rim
IOS1663_132	190.5	3.60	2.90000	0.18000	0.18800	0.01000	0.91464	1371.0	49.0	1111.0	54.0	1800	51	DISC	DISC	19.0	Core
IOS1663_133	209.6	0.83	0.82300	0.01800	0.09100	0.00110	0.47380	608.0	10.0	561.1	6.6	768	40	561.1	6.6	7.7	Single Age
IOS1663_134	334	62.90	0.36070	0.00680	0.04921	0.00072	0.44269	312.3	5.0	309.6	4.4	302	38	309.6	4.4	0.9	Single Age
IOS1663_135	1143	57.50	0.38800	0.01400	0.05440	0.00220	0.62880	333.0	10.0	341.0	13.0	275	67	341.0	13.0	2.4	Single Age
IOS1663_136	807	40.20	0.39410	0.00910	0.05170	0.00100	0.72808	336.8	6.6	324.7	6.3	411	36	324.7	6.3	3.6	Single Age
IOS1663_137	53.55	0.99	0.56800	0.02800	0.04592	0.00079	0.11957	453.0	19.0	289.4	4.9	1347	97	DISC	DISC	36.1	Single Age
IOS1663_138	935	36.90	0.37650	0.00570	0.05065	0.00052	0.55085	324.2	4.2	318.5	3.2	349	28	318.5	3.2	1.8	Single Age
IOS1663_139	981	30.40	0.42000	0.01800	0.05490	0.00190	0.71590	355.0	13.0	344.0	12.0	408	68	344.0	12.0	3.1	Rim
IOS1663_139	253.7	6.35	0.91800	0.01900	0.10690	0.00170	0.44008	661.0	10.0	654.8	9.8	666	42	654.8	9.8	0.9	Core
IOS1663_140	208	2.17	0.56300	0.02200	0.07110	0.00260	0.63012	452.0	14.0	442.0	15.0	472	65	442.0	15.0	2.2	Single Age

Table A3, con't.

SAMPLE NAME: IOS1701																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age Ma**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1701_1	114	0.98	0.83000	0.02500	0.09660	0.00180	0.48103	610.0	14.0	594.0	10.0	638	57	594.0	10.0	2.6	Single Age
IOS1701_2	438	5.51	0.41100	0.04200	0.04190	0.00220	0.58531	342.0	27.0	265.0	14.0	890	120	DISC	DISC	22.5	Rim
IOS1701_2	49.4	0.66	1.74200	0.07100	0.17200	0.00550	0.48891	1020.0	26.0	1022.0	30.0	1009	85	1022.0	30.0	0.2	Core
IOS1701_3	486	2.98	10.25000	0.25000	0.37730	0.00880	0.80326	2454.0	22.0	2061.0	41.0	2787	25	DISC	DISC	26.0	Single Age
IOS1701_4	491	8.10	0.47600	0.02400	0.05710	0.00190	0.59091	394.0	16.0	358.0	12.0	610	83	358.0	12.0	9.1	Rim
IOS1701_4	69.2	0.63	0.83700	0.03200	0.09810	0.00270	0.17880	618.0	18.0	603.0	16.0	639	93	603.0	16.0	2.4	Core
IOS1701_5	215	2.35	10.91000	0.17000	0.44040	0.00670	0.78012	2512.0	15.0	2350.0	30.0	2636	17	2636.0	17.0	10.8	Single Age
IOS1701_6	246.5	4.34	0.83800	0.02400	0.09760	0.00240	0.58894	616.0	13.0	600.0	14.0	664	52	600.0	14.0	2.6	Single Age
IOS1701_7	38.25	5.80	0.97300	0.03900	0.11410	0.00260	0.31087	684.0	20.0	696.0	15.0	624	80	696.0	15.0	1.8	Single Age
IOS1701_8	680	1.53	1.55200	0.03900	0.15700	0.00350	0.75110	948.0	16.0	939.0	20.0	955	37	939.0	20.0	0.9	Single Age
IOS1701_9	1005	3.18	0.62200	0.02300	0.07210	0.00180	0.75244	490.0	14.0	449.0	11.0	676	52	449.0	11.0	8.4	Single Age
IOS1701_10	484	1.19	0.86000	0.02200	0.09820	0.00220	0.71652	628.0	12.0	604.0	13.0	705	40	604.0	13.0	3.8	Single Age
IOS1701_11	499	57.00	0.82100	0.04100	0.09570	0.00380	0.78042	605.0	22.0	588.0	22.0	661	65	588.0	22.0	2.8	Rim
IOS1701_11	78.3	1.99	1.78000	0.08500	0.17100	0.00570	0.32919	1035.0	32.0	1017.0	31.0	1040	100	1017.0	31.0	1.7	Core
IOS1701_12	218.1	0.47	1.10000	0.02500	0.11980	0.00190	0.61098	751.0	12.0	729.0	11.0	790	37	729.0	11.0	2.9	Single Age
IOS1701_13	933	4.81	0.66900	0.01100	0.08100	0.00120	0.57230	520.0	6.8	501.8	7.2	589	31	501.8	7.2	3.5	Single Age
IOS1701_14	163.8	2.51	1.42700	0.04400	0.14930	0.00330	0.73373	896.0	18.0	896.0	18.0	871	42	896.0	18.0	0.0	Single Age
IOS1701_15	868	30.70	6.96000	0.10000	0.37850	0.00470	0.74917	2106.0	13.0	2068.0	22.0	2124	17	2124.0	17.0	2.6	Single Age
IOS1701_16	587	1.75	1.01400	0.01800	0.11650	0.00170	0.68729	710.2	9.1	709.9	9.7	691	29	709.9	9.7	0.0	Single Age
IOS1701_17	266	0.88	0.93000	0.02800	0.10660	0.00200	0.48816	665.0	15.0	653.0	12.0	691	60	653.0	12.0	1.8	Single Age
IOS1701_18	383	0.86	1.03700	0.02600	0.11230	0.00210	0.60142	721.0	13.0	687.0	12.0	802	42	687.0	12.0	4.7	Single Age

Table A3, con't.

IOS1701_19	12.33	-1.40	1.26000	0.08400	0.14520	0.00570	0.21648	810.0	38.0	872.0	32.0	610	140	872.0	32.0	7.7	Single Age
IOS1701_20	144.2	1.86	0.98200	0.02600	0.11350	0.00210	0.41479	694.0	13.0	693.0	12.0	672	48	693.0	12.0	0.1	Single Age
IOS1701_21	175	3.97	1.18600	0.04500	0.12640	0.00310	0.79910	786.0	21.0	766.0	18.0	815	47	766.0	18.0	2.5	Single Age
IOS1701_22	161.1	3.57	0.96900	0.02300	0.11300	0.00180	0.47746	687.0	11.0	690.0	10.0	641	45	690.0	10.0	0.4	Single Age
IOS1701_23	231	0.91	0.70900	0.01500	0.08800	0.00150	0.46953	543.0	8.9	543.3	8.9	522	45	543.3	8.9	0.1	Single Age
IOS1701_24	280.7	0.54	1.83300	0.04500	0.17780	0.00340	0.70328	1053.0	16.0	1054.0	19.0	1031	36	1054.0	19.0	0.1	Single Age
IOS1701_25	195	12.30	1.15100	0.04000	0.12950	0.00330	0.69907	774.0	19.0	785.0	19.0	708	52	785.0	19.0	1.4	Single Age
IOS1701_27	216	4.29	0.63800	0.01500	0.07880	0.00120	0.52535	499.4	9.5	488.7	7.0	515	45	488.7	7.0	2.1	Single Age
IOS1701_28	178.7	2.81	4.79000	0.25000	0.26730	0.00930	0.82436	1764.0	40.0	1523.0	47.0	2040	41	DISC	DISC	25.3	Single Age
IOS1701_29	249.7	3.02	1.02500	0.02300	0.11740	0.00220	0.61971	716.0	12.0	715.0	12.0	692	39	715.0	12.0	0.1	Single Age
IOS1701_30	953	1.31	6.70000	0.18000	0.35260	0.00800	0.83245	2067.0	23.0	1945.0	38.0	2172	25	2172.0	25.0	10.5	Single Age
IOS1701_31	433	5.79	1.64400	0.05000	0.16180	0.00350	0.50942	984.0	19.0	967.0	19.0	992	55	967.0	19.0	1.7	Single Age
IOS1701_32	1630	18.80	0.39700	0.03100	0.04460	0.00150	0.50809	337.0	22.0	281.2	9.1	700	130	DISC	DISC	16.6	Rim
IOS1701_32	49.6	1.30	0.98700	0.04200	0.11180	0.00260	0.24994	692.0	21.0	683.0	15.0	676	90	683.0	15.0	1.3	Core
IOS1701_33	405	12.10	0.89200	0.02600	0.10730	0.00260	0.71052	644.0	14.0	656.0	15.0	570	47	656.0	15.0	1.9	Single Age
IOS1701_34	229.5	2.75	0.58300	0.01500	0.07440	0.00130	0.37621	464.9	9.6	462.3	7.7	444	44	462.3	7.7	0.6	Single Age
IOS1701_35	467	2.48	6.10000	0.10000	0.36350	0.00570	0.69767	1987.0	15.0	1997.0	27.0	1962	23	1962.0	23.0	1.8	Single Age
IOS1701_36	431	11.09	0.78400	0.02400	0.09720	0.00260	0.74707	584.0	14.0	597.0	15.0	517	46	597.0	15.0	2.2	Single Age
IOS1701_37	212	0.67	5.81000	0.13000	0.35170	0.00600	0.58690	1943.0	19.0	1941.0	29.0	1931	33	1931.0	33.0	0.5	Single Age
IOS1701_38	251.9	0.90	0.79600	0.02600	0.08960	0.00250	0.75911	592.0	14.0	553.0	15.0	722	44	553.0	15.0	6.6	Single Age
IOS1701_39	199.5	0.80	1.75800	0.04000	0.17500	0.00310	0.69581	1027.0	15.0	1039.0	17.0	981	34	1039.0	17.0	1.2	Single Age
IOS1701_40	112.3	2.86	1.27400	0.05000	0.14090	0.00380	0.64765	828.0	22.0	849.0	21.0	754	66	849.0	21.0	2.5	Single Age
IOS1701_41	789	0.57	3.66000	0.07200	0.25960	0.00440	0.80600	1561.0	15.0	1487.0	23.0	1650	22	1650.0	22.0	9.9	Single Age
IOS1701_43	363	1.00	0.80800	0.02700	0.09810	0.00260	0.76176	597.0	15.0	603.0	15.0	541	49	603.0	15.0	1.0	Single Age
IOS1701_44	677	1.21	7.13000	0.17000	0.31900	0.00660	0.71660	2124.0	21.0	1783.0	32.0	2457	29	DISC	DISC	27.4	Single Age

Table A3, con't.

IOS1701_45	85.1	2.17	0.83000	0.02400	0.10110	0.00180	0.28873	612.0	13.0	620.0	10.0	539	62	620.0	10.0	1.3	Single Age
IOS1701_46	89.6	3.53	0.92700	0.02600	0.10930	0.00200	0.42463	663.0	13.0	668.0	12.0	617	54	668.0	12.0	0.8	Single Age
IOS1701_47	244	0.49	5.23000	0.11000	0.33990	0.00590	0.68362	1852.0	18.0	1892.0	30.0	1802	29	1802.0	29.0	5.0	Single Age
IOS1701_48	887	3.50	1.00400	0.01700	0.11780	0.00190	0.72875	704.8	8.5	718.0	11.0	655	25	718.0	11.0	1.9	Single Age
IOS1701_50	699	1.30	0.78100	0.01700	0.09300	0.00190	0.69379	584.1	9.7	573.0	11.0	606	33	573.0	11.0	1.9	Single Age
IOS1701_51	661	4.20	3.67000	0.10000	0.23970	0.00640	0.78980	1561.0	23.0	1384.0	33.0	1791	31	1791.0	31.0	22.7	Single Age
IOS1701_52	68.9	2.53	1.85100	0.07900	0.19030	0.00610	0.59452	1057.0	28.0	1122.0	33.0	925	66	1122.0	33.0	6.1	Single Age
IOS1701_53	226	1.34	1.69500	0.04200	0.16850	0.00400	0.72109	1003.0	16.0	1003.0	22.0	998	37	1003.0	22.0	0.0	Single Age
IOS1701_54	316	4.93	0.66800	0.01500	0.08210	0.00110	0.52464	518.5	9.1	508.5	6.8	534	42	508.5	6.8	1.9	Single Age
IOS1701_56	422	7.97	0.54400	0.03400	0.07130	0.00370	0.41618	439.0	22.0	444.0	23.0	420	130	444.0	23.0	1.1	Rim
IOS1701_56	62.4	1.54	0.92100	0.02900	0.10880	0.00230	0.29642	662.0	15.0	666.0	13.0	612	70	666.0	13.0	0.6	Core
IOS1701_57	107.8	2.46	0.59000	0.02500	0.07800	0.00260	0.69214	467.0	16.0	484.0	15.0	374	70	484.0	15.0	3.6	Single Age
IOS1701_58	45.8	1.41	1.26500	0.04100	0.13520	0.00230	0.24939	827.0	18.0	817.0	13.0	809	70	817.0	13.0	1.2	Single Age
IOS1701_59	316	6.95	0.98200	0.02300	0.11270	0.00180	0.59196	695.0	12.0	688.0	11.0	697	39	688.0	11.0	1.0	Single Age
IOS1701_60	900	1.17	0.67600	0.01500	0.08270	0.00140	0.74235	522.8	9.2	512.2	8.6	555	34	512.2	8.6	2.0	Single Age
IOS1701_61	75.4	0.92	1.16700	0.04300	0.11890	0.00350	0.41923	783.0	19.0	723.0	20.0	933	73	723.0	20.0	7.7	Single Age
IOS1701_62	41.3	1.34	0.84400	0.03200	0.10170	0.00190	0.21882	617.0	18.0	624.0	11.0	565	82	624.0	11.0	1.1	Single Age
IOS1701_64	609	2.02	6.00000	0.14000	0.35160	0.00680	0.73007	1972.0	20.0	1941.0	33.0	2001	27	2001.0	27.0	3.0	Single Age
IOS1701_65	324	1.08	1.76600	0.03900	0.17590	0.00350	0.70012	1031.0	14.0	1044.0	19.0	998	32	1044.0	19.0	1.3	Single Age
IOS1701_66	1620	24.90	0.20600	0.01600	0.02700	0.00220	0.88088	189.0	14.0	172.0	14.0	453	92	172.0	14.0	9.0	Rim
IOS1701_66	794	4.50	0.62500	0.02300	0.07810	0.00190	0.11087	490.0	14.0	484.0	11.0	484	56	484.0	11.0	1.2	Core
IOS1701_67	601	7.78	0.40700	0.05500	0.05100	0.00470	0.23844	344.0	38.0	320.0	29.0	520	290	320.0	29.0	7.0	Rim
IOS1701_67	150.4	5.69	0.92500	0.02400	0.10750	0.00200	0.53982	662.0	13.0	658.0	12.0	677	50	658.0	12.0	0.6	Core
IOS1701_68	147.6	54.00	0.81500	0.04000	0.09600	0.00320	0.63164	603.0	22.0	590.0	19.0	675	89	590.0	19.0	2.2	Rim
IOS1701_68	251	3.15	5.38000	0.18000	0.25610	0.00580	0.74711	1876.0	29.0	1469.0	30.0	2368	38	DISC	DISC	38.0	Core

Table A3, con't.

IOS1701_69	670	6.92	0.38100	0.05000	0.04740	0.00540	0.83830	326.0	37.0	298.0	33.0	550	160	DISC	DISC	8.6	Rim
IOS1701_69	127.6	1.30	0.91000	0.02600	0.11110	0.00200	0.55738	654.0	14.0	679.0	12.0	581	52	679.0	12.0	3.8	Core
IOS1701_70	293.2	3.17	0.79900	0.04500	0.09710	0.00340	0.43984	587.0	24.0	596.0	20.0	575	84	596.0	20.0	1.5	Single Age
IOS1701_71	53.1	0.97	2.11600	0.06700	0.18830	0.00400	0.42949	1148.0	21.0	1111.0	21.0	1228	59	1111.0	21.0	3.2	Single Age
IOS1701_72	72	2.95	0.70500	0.02500	0.08510	0.00310	0.49558	538.0	15.0	526.0	18.0	647	77	526.0	18.0	2.2	Single Age
IOS1701_73	1066	0.98	0.61800	0.01000	0.07990	0.00140	0.72168	489.3	6.7	495.1	8.6	475	31	495.1	8.6	1.2	Single Age
IOS1701_75	174.8	0.56	5.10600	0.09600	0.31230	0.00560	0.72743	1833.0	16.0	1750.0	28.0	1936	25	1936.0	25.0	9.6	Single Age
IOS1701_76	68.6	1.24	1.19600	0.04400	0.12800	0.00310	0.45258	795.0	20.0	776.0	18.0	848	72	776.0	18.0	2.4	Single Age
IOS1701_77	1002	1.16	0.72600	0.01300	0.08990	0.00150	0.65273	553.0	7.5	554.8	9.1	563	32	554.8	9.1	0.3	Single Age
IOS1701_78	1940	28.60	0.29200	0.02700	0.03570	0.00250	0.75614	259.0	21.0	226.0	15.0	580	110	DISC	DISC	12.7	Rim
IOS1701_78	118.4	1.34	1.64700	0.03700	0.16400	0.00240	0.03323	986.0	14.0	978.0	13.0	1002	45	978.0	13.0	0.8	Core
IOS1701_79	869	17.70	0.77900	0.02300	0.09610	0.00190	0.73529	583.0	14.0	591.0	11.0	561	42	591.0	11.0	1.4	Single Age
IOS1701_80	58	7.47	1.61800	0.07100	0.17770	0.00540	0.55216	975.0	29.0	1053.0	29.0	797	82	1053.0	29.0	8.0	Single Age
IOS1701_81	230	1.04	0.79000	0.01600	0.09750	0.00150	0.44190	589.9	8.8	599.5	9.1	559	42	599.5	9.1	1.6	Single Age
IOS1701_82	121.1	1.37	0.94600	0.02800	0.10830	0.00230	0.53066	672.0	15.0	662.0	13.0	694	59	662.0	13.0	1.5	Single Age
IOS1701_83	92.6	1.25	4.95000	0.13000	0.30910	0.00730	0.63769	1810.0	23.0	1734.0	36.0	1896	37	1896.0	37.0	8.5	Single Age
IOS1701_84	426	3.79	6.71000	0.22000	0.27550	0.00830	0.79629	2071.0	28.0	1566.0	42.0	2633	29	DISC	DISC	40.5	Single Age
IOS1701_85	598	4.84	9.27000	0.27000	0.42400	0.01200	0.74672	2359.0	26.0	2275.0	52.0	2436	34	2436.0	34.0	6.6	Single Age
IOS1701_86	1815	9.56	0.79100	0.01500	0.09200	0.00170	0.66082	590.8	8.5	567.0	9.8	693	31	567.0	9.8	4.0	Single Age
IOS1701_87	416.2	1.38	2.96000	0.05000	0.19800	0.00340	0.71329	1395.0	13.0	1164.0	18.0	1779	25	DISC	DISC	16.6	Single Age
IOS1701_88	50	1.94	0.90500	0.04200	0.10150	0.00250	0.49685	650.0	22.0	623.0	15.0	744	93	623.0	15.0	4.2	Single Age
IOS1701_89	1568	1.38	1.43000	0.17000	0.11120	0.00340	0.64330	869.0	59.0	679.0	20.0	1330	140	DISC	DISC	21.9	Single Age
IOS1701_91	180.7	0.71	0.87700	0.01700	0.10260	0.00170	0.57459	639.4	9.7	629.2	9.9	683	39	629.2	9.9	1.6	Single Age
IOS1701_92	334	10.82	0.93800	0.02000	0.10530	0.00190	0.53329	671.0	10.0	645.0	11.0	748	41	645.0	11.0	3.9	Single Age
IOS1701_93	205	1.95	0.78900	0.02100	0.09170	0.00170	0.34595	588.0	12.0	565.1	9.9	669	58	565.1	9.9	3.9	Single Age

Table A3, con't.

IOS1701_94	129.8	1.19	1.31100	0.02500	0.14070	0.00190	0.33000	848.0	11.0	848.0	10.0	837	41	848.0	10.0	0.0	Single Age
IOS1701_95	462	1.16	0.81900	0.02700	0.09460	0.00210	0.38360	605.0	15.0	582.0	12.0	674	58	582.0	12.0	3.8	Single Age
IOS1701_96	258	5.62	1.78200	0.03700	0.17190	0.00290	0.59289	1037.0	14.0	1022.0	16.0	1060	35	1022.0	16.0	1.4	Single Age
IOS1701_97	95.8	1.18	1.42700	0.04000	0.14830	0.00320	0.49409	897.0	17.0	891.0	18.0	892	53	891.0	18.0	0.7	Single Age
IOS1701_98	807	1.17	0.84700	0.02000	0.09750	0.00170	0.73633	621.0	11.0	599.0	10.0	695	31	599.0	10.0	3.5	Single Age
IOS1701_99	477	1.12	4.42200	0.08800	0.28200	0.00440	0.63204	1717.0	17.0	1600.0	22.0	1849	29	1849.0	29.0	13.5	Single Age
IOS1701_100	78.8	2.45	1.23400	0.05200	0.13050	0.00330	0.62234	807.0	23.0	789.0	19.0	829	64	789.0	19.0	2.2	Single Age
IOS1701_101	1045	7.35	0.48100	0.07200	0.04820	0.00160	0.90103	382.0	35.0	303.4	9.5	730	120	DISC	DISC	20.6	Single Age
IOS1701_102	117.8	0.79	6.14000	0.28000	0.35300	0.01100	0.77765	1986.0	39.0	1948.0	53.0	2003	49	2003.0	49.0	2.7	Single Age
IOS1701_103	533	1.23	0.82700	0.01700	0.10150	0.00190	0.72375	610.5	9.4	623.0	11.0	550	32	623.0	11.0	2.0	Single Age
IOS1701_104	522	2.58	0.88900	0.01500	0.10550	0.00130	0.57817	644.9	8.3	646.7	7.5	613	31	646.7	7.5	0.3	Single Age
IOS1701_105	226.6	1.36	1.51700	0.03500	0.15240	0.00270	0.70617	936.0	15.0	914.0	15.0	962	34	914.0	15.0	2.4	Single Age
IOS1701_106	378.7	5.70	0.57700	0.01400	0.07460	0.00130	0.57599	461.5	8.9	463.4	8.0	401	43	463.4	8.0	0.4	Single Age
IOS1701_107	149.2	0.66	0.87300	0.02200	0.10120	0.00160	0.39454	638.0	12.0	621.0	9.5	653	53	621.0	9.5	2.7	Single Age
IOS1701_108	273	3.00	9.58000	0.24000	0.40490	0.00970	0.82734	2394.0	24.0	2189.0	44.0	2564	25	2564.0	25.0	14.6	Single Age
IOS1701_109	140.6	1.65	1.49100	0.03600	0.15000	0.00280	0.55850	924.0	15.0	901.0	16.0	955	42	901.0	16.0	2.5	Single Age
IOS1701_110	592	3.35	0.71400	0.01700	0.08590	0.00170	0.73566	545.6	9.8	531.0	10.0	573	35	531.0	10.0	2.7	Single Age
IOS1701_111	140	2.08	1.58400	0.06000	0.14280	0.00200	0.20793	955.0	23.0	860.0	11.0	1123	74	860.0	11.0	9.9	Single Age
IOS1701_113	359	0.88	1.66700	0.03200	0.16120	0.00270	0.61753	994.0	12.0	963.0	15.0	1035	32	963.0	15.0	3.1	Single Age
IOS1701_114	844	9.30	0.89400	0.02100	0.10330	0.00220	0.70051	646.0	11.0	633.0	13.0	678	38	633.0	13.0	2.0	Single Age
IOS1701_115	98.1	1.08	1.41700	0.06300	0.14010	0.00300	0.48073	897.0	28.0	844.0	17.0	986	77	844.0	17.0	5.9	Single Age
IOS1701_116	858	4.98	0.85800	0.02400	0.09640	0.00180	0.76574	628.0	13.0	594.0	11.0	712	33	594.0	11.0	5.4	Single Age
IOS1701_117	172.9	2.32	0.92900	0.02100	0.11240	0.00180	0.47008	665.0	11.0	686.0	10.0	565	45	686.0	10.0	3.2	Single Age
IOS1701_118	1480	2.68	1.01100	0.02000	0.09400	0.00180	0.74829	709.0	10.0	579.0	11.0	1118	30	DISC	DISC	18.3	Single Age
IOS1701_119	580	2.33	2.95000	0.10000	0.19420	0.00530	0.87625	1383.0	26.0	1142.0	28.0	1745	29	DISC	DISC	17.4	Single Age

Table A3, con't.

IOS1701_120	223.8	1.75	7.86000	0.26000	0.39900	0.01100	0.68013	2207.0	30.0	2161.0	53.0	2242	45	2242.0	45.0	3.6	Single Age
IOS1701_121	143.4	1.94	1.65200	0.04000	0.16690	0.00340	0.62652	987.0	15.0	994.0	19.0	944	37	994.0	19.0	0.7	Single Age
IOS1701_123	0.083	no value	no value	NAN	no value	NAN	#VALUE!	no value	NAN	no value	NAN	no value	NAN	#####	#VALUE!	#VALUE!	Single Age
IOS1701_125	607	4.94	0.71200	0.02700	0.08660	0.00270	0.67898	543.0	16.0	535.0	16.0	548	62	535.0	16.0	1.5	Single Age
IOS1701_126	767	32.30	0.72500	0.02000	0.08940	0.00190	0.53374	552.0	12.0	552.0	11.0	548	52	552.0	11.0	0.0	Rim
IOS1701_126	66.4	1.33	1.83800	0.07400	0.17140	0.00450	0.59135	1055.0	26.0	1019.0	25.0	1099	66	1019.0	25.0	3.4	Core
IOS1701_127	543	2.98	0.99900	0.02100	0.10820	0.00200	0.64897	701.0	11.0	662.0	12.0	810	35	662.0	12.0	5.6	Single Age
IOS1701_128	262	60.80	0.82900	0.02300	0.09730	0.00150	0.50258	610.0	13.0	598.6	8.7	620	45	598.6	8.7	1.9	Single Age
IOS1701_129	108.4	1.33	5.92000	0.22000	0.33600	0.01100	0.82492	1959.0	33.0	1865.0	54.0	2039	37	2039.0	37.0	8.5	Single Age
IOS1701_130	627	1.46	0.80900	0.01900	0.09390	0.00180	0.63555	600.0	10.0	578.0	10.0	661	39	578.0	10.0	3.7	Single Age
IOS1701_131	91.3	1.65	6.65000	0.16000	0.38160	0.00880	0.72117	2060.0	21.0	2080.0	41.0	2023	30	2023.0	30.0	2.8	Single Age
IOS1701_132	457	5.06	4.55000	0.11000	0.22450	0.00620	0.76239	1737.0	20.0	1305.0	33.0	2304	32	DISC	DISC	43.4	Single Age
IOS1701_133	245	1.03	11.44000	0.21000	0.46500	0.00730	0.59892	2555.0	17.0	2459.0	32.0	2604	25	2604.0	25.0	5.6	Single Age
IOS1701_134	96.9	1.11	6.32000	0.13000	0.37800	0.00720	0.68838	2016.0	19.0	2064.0	34.0	1953	27	1953.0	27.0	5.7	Single Age
IOS1701_135	1119	31.90	10.01000	0.35000	0.42400	0.01800	0.70680	2427.0	32.0	2268.0	83.0	2546	45	2546.0	45.0	10.9	Single Age
IOS1701_136	46.3	0.48	1.38000	0.04900	0.14470	0.00320	0.45637	879.0	22.0	871.0	18.0	873	68	871.0	18.0	0.9	Single Age
IOS1701_137	89.8	2.05	0.92100	0.02400	0.10880	0.00170	0.43198	660.0	13.0	665.4	9.7	623	51	665.4	9.7	0.8	Single Age
IOS1701_138	321	1.85	7.66000	0.27000	0.33090	0.00970	0.86650	2196.0	34.0	1841.0	47.0	2526	34	DISC	DISC	27.1	Single Age
IOS1701_139	487	1.81	0.69500	0.02300	0.08910	0.00260	0.77073	533.0	14.0	550.0	16.0	441	49	550.0	16.0	3.2	Single Age
IOS1701_140	232	9.74	1.44500	0.04400	0.15150	0.00370	0.75315	905.0	19.0	908.0	21.0	878	43	908.0	21.0	0.3	Single Age
IOS1701_141	1125	1.61	0.93400	0.03300	0.09970	0.00150	0.43130	666.0	16.0	612.7	8.7	813	53	612.7	8.7	8.0	Single Age
IOS1701_142	213.2	1.29	1.02600	0.03700	0.11270	0.00330	0.76059	714.0	18.0	688.0	19.0	779	49	688.0	19.0	3.6	Single Age

Table A3, con't.

SAMPLE NAME: IOS1703																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1703_1	28.6	0.60	4.20000	0.20000	0.25960	0.00770	0.08051	1668.0	38.0	1487.0	39.0	1908	88	1908.0	88.0	22.1	Rim
IOS1703_1	19.1	0.52	7.60000	0.56000	0.40100	0.02600	0.58391	2187.0	73.0	2160.0	120.0	2210	110	2210.0	110.0	2.3	Core
IOS1703_2	470	3.93	0.84800	0.01800	0.10080	0.00170	0.66114	622.1	9.7	619.0	9.9	631	36	619.0	9.9	0.5	Single Age
IOS1703_3	198	0.97	5.62800	0.06400	0.33860	0.00350	0.52903	1918.7	9.8	1879.0	17.0	1965	19	1965.0	19.0	4.4	Single Age
IOS1703_4	306.7	1.68	7.85000	0.23000	0.40680	0.00940	0.62450	2211.0	26.0	2199.0	43.0	2240	39	2240.0	39.0	1.8	Single Age
IOS1703_5	471	8.85	6.46000	0.18000	0.36050	0.00750	0.66704	2034.0	24.0	1983.0	35.0	2089	37	2089.0	37.0	5.1	Single Age
IOS1703_6	358	6.32	11.72000	0.45000	0.46100	0.01500	0.81814	2573.0	36.0	2440.0	67.0	2685	38	2685.0	38.0	9.1	Single Age
IOS1703_7	20.2	-0.20	1.17700	0.08900	0.12160	0.00510	0.25258	776.0	41.0	741.0	28.0	800	160	741.0	28.0	4.5	Single Age
IOS1703_8	469	7.41	0.93200	0.03100	0.10860	0.00270	0.69310	667.0	16.0	664.0	15.0	694	52	664.0	15.0	0.4	Rim
IOS1703_8	124.5	1.34	1.26100	0.04100	0.13660	0.00310	0.51277	829.0	20.0	825.0	18.0	832	63	825.0	18.0	0.5	Core
IOS1703_9	447	1.17	0.84300	0.01900	0.09700	0.00200	0.51776	623.0	10.0	597.0	11.0	722	47	597.0	11.0	4.2	Single Age
IOS1703_10	189	1.14	1.55600	0.07200	0.16580	0.00800	0.77410	946.0	29.0	986.0	44.0	883	60	986.0	44.0	4.2	Single Age
IOS1703_11	1410	54.00	0.44600	0.05900	0.05480	0.00440	0.60719	371.0	41.0	344.0	27.0	550	210	344.0	27.0	7.3	Rim
IOS1703_11	27.77	2.81	1.08200	0.05200	0.11060	0.00350	0.36769	739.0	25.0	675.0	20.0	908	97	675.0	20.0	8.7	Core
IOS1703_12	1380	216.00	0.41000	0.01500	0.05230	0.00150	0.59206	348.0	11.0	328.3	9.1	503	61	328.3	9.1	5.7	Rim
IOS1703_12	88.6	2.79	1.38400	0.07000	0.14580	0.00400	0.58148	877.0	30.0	877.0	22.0	890	81	877.0	22.0	0.0	Core
IOS1703_13	1150	27.20	0.46200	0.01500	0.05750	0.00150	0.53331	386.0	11.0	360.2	9.4	569	64	360.2	9.4	6.7	Rim
IOS1703_13	169.3	2.46	0.72800	0.02700	0.08190	0.00170	0.59469	553.0	16.0	507.0	10.0	729	64	507.0	10.0	8.3	Core
IOS1703_14	379	2.93	5.94000	0.11000	0.36290	0.00730	0.71654	1968.0	17.0	1993.0	34.0	1944	27	1944.0	27.0	2.5	Single Age
IOS1703_15	1030	93.00	0.77400	0.03900	0.09370	0.00420	0.77068	581.0	22.0	577.0	25.0	619	71	577.0	25.0	0.7	Rim
IOS1703_15	328.6	2.26	1.15800	0.02500	0.12410	0.00220	0.61811	780.0	12.0	754.0	12.0	852	37	754.0	12.0	3.3	Core
IOS1703_16	239.1	1.98	1.00200	0.02200	0.11470	0.00170	0.57590	703.0	11.0	700.0	10.0	723	36	700.0	10.0	0.4	Single Age
IOS1703_17	86.9	0.71	10.83000	0.30000	0.47400	0.01400	0.70779	2498.0	26.0	2494.0	61.0	2512	36	2512.0	36.0	0.7	Single Age

Table A3, con't.

IOS1703_18	320	2.10	1.35200	0.02300	0.14620	0.00220	0.48514	867.0	9.8	879.0	12.0	839	34	879.0	12.0	1.4	Single Age
IOS1703_19	309	26.00	1.86200	0.07800	0.14900	0.00540	0.60372	1063.0	28.0	894.0	30.0	1420	65	DISC	DISC	15.9	Rim
IOS1703_19	313	12.70	4.91000	0.15000	0.30440	0.00820	0.80562	1800.0	26.0	1712.0	41.0	1898	34	1898.0	34.0	9.8	Core
IOS1703_20	543	14.80	0.85500	0.02100	0.10090	0.00200	0.73144	626.0	11.0	619.0	12.0	641	37	619.0	12.0	1.1	Single Age
IOS1703_21	509	1.26	0.90600	0.02500	0.10670	0.00230	0.66987	652.0	13.0	653.0	13.0	635	45	653.0	13.0	0.2	Single Age
IOS1703_22	905	6.32	0.87600	0.01900	0.10050	0.00180	0.72059	637.0	10.0	617.0	11.0	708	34	617.0	11.0	3.1	Single Age
IOS1703_23	190.9	0.56	1.75000	0.03500	0.17560	0.00290	0.65010	1026.0	13.0	1042.0	16.0	984	31	1042.0	16.0	1.6	Single Age
IOS1703_24	2700	148.00	0.38500	0.02000	0.05150	0.00230	0.70441	331.0	15.0	323.0	14.0	398	79	323.0	14.0	2.4	Rim
IOS1703_24	267.8	2.17	3.11100	0.05100	0.24730	0.00300	0.62469	1434.0	12.0	1424.0	16.0	1437	25	1437.0	25.0	0.9	Core
IOS1703_25	1260	56.90	0.43700	0.03700	0.05710	0.00430	0.85521	367.0	26.0	358.0	26.0	440	110	358.0	26.0	2.5	Rim
IOS1703_25	201.6	1.50	0.87700	0.02700	0.10420	0.00270	0.65273	636.0	14.0	638.0	16.0	623	54	638.0	16.0	0.3	Core
IOS1703_26	288	0.99	0.83200	0.02600	0.10390	0.00280	0.61076	612.0	15.0	637.0	17.0	504	58	637.0	17.0	4.1	Single Age
IOS1703_27	822	2.74	0.82000	0.01100	0.09730	0.00110	0.64425	607.3	6.0	598.7	6.7	623	25	598.7	6.7	1.4	Single Age
IOS1703_28	524	3.31	3.57900	0.06700	0.22020	0.00400	0.63455	1543.0	15.0	1282.0	21.0	1924	28	DISC	DISC	33.4	Rim
IOS1703_28	182.9	1.58	6.16000	0.23000	0.35800	0.01100	0.83656	1993.0	32.0	1970.0	53.0	2002	36	2002.0	36.0	1.6	Core
IOS1703_29	323	1.33	0.79100	0.01600	0.09440	0.00130	0.59484	590.5	9.0	582.5	7.9	603	37	582.5	7.9	1.4	Single Age
IOS1703_30	367.8	7.31	1.52600	0.02700	0.15960	0.00240	0.62343	941.0	11.0	954.0	14.0	902	31	954.0	14.0	1.4	Single Age
IOS1703_31	172	1.46	1.35000	0.02500	0.14170	0.00160	0.38211	867.0	11.0	854.0	9.1	882	38	854.0	9.1	1.5	Single Age
IOS1703_32	693	8.67	0.52500	0.01900	0.06430	0.00180	0.59618	428.0	13.0	401.0	11.0	591	71	401.0	11.0	6.3	Rim
IOS1703_32	216.3	4.78	0.77900	0.01900	0.09170	0.00150	0.50828	584.0	11.0	565.5	9.0	632	43	565.5	9.0	3.2	Core
IOS1703_33	3870	137.00	0.40400	0.01100	0.05209	0.00097	0.59264	343.6	8.0	327.3	5.9	442	37	327.3	5.9	4.7	Rim
IOS1703_33	338.3	1.04	1.66100	0.06400	0.15710	0.00430	0.76980	991.0	25.0	940.0	24.0	1082	51	940.0	24.0	5.1	Core
IOS1703_34	422	8.90	5.86000	0.14000	0.34050	0.00590	0.61112	1953.0	21.0	1888.0	28.0	2018	34	2018.0	34.0	6.4	Rim
IOS1703_34	198	1.79	7.32000	0.17000	0.42330	0.00820	0.73097	2154.0	19.0	2274.0	37.0	2013	28	2013.0	28.0	13.0	Core
IOS1703_35	215.2	1.06	1.03800	0.02700	0.11380	0.00190	0.26668	720.0	13.0	694.0	11.0	790	51	694.0	11.0	3.6	Single Age
IOS1703_36	855	1.83	18.9700 0	0.37000	0.56420	0.00930	0.75340	3038.0	19.0	2887.0	37.0	3131	22	3131.0	22.0	7.8	Single Age

Table A3, con't.

IOS1703_37	489	1.77	13.01000	0.35000	0.48800	0.01200	0.81867	2674.0	25.0	2559.0	52.0	2754	25	2754.0	25.0	7.1	Single Age
IOS1703_38	131.8	2.61	12.68000	0.19000	0.50260	0.00730	0.75033	2653.0	14.0	2623.0	31.0	2672	17	2672.0	17.0	1.8	Single Age
IOS1703_39	788	117.00	0.99000	0.02900	0.11250	0.00250	0.60823	697.0	15.0	687.0	14.0	727	52	687.0	14.0	1.4	Single Age
IOS1703_40	343	4.28	0.90800	0.01900	0.09620	0.00150	0.63439	656.0	10.0	591.8	8.7	867	37	591.8	8.7	9.8	Single Age
IOS1703_41	112.3	0.93	1.95400	0.06300	0.13400	0.00260	0.56544	1092.0	22.0	810.0	15.0	1692	49	DISC	DISC	25.8	Single Age
IOS1703_42	136	1.18	1.00900	0.02300	0.11590	0.00170	0.43384	706.0	11.0	706.7	9.7	700	44	706.7	9.7	0.1	Single Age
IOS1703_43	265.4	0.83	1.82700	0.03700	0.17410	0.00300	0.60166	1053.0	13.0	1034.0	17.0	1081	34	1034.0	17.0	1.8	Single Age
IOS1703_44	1610	91.00	0.51800	0.03300	0.06170	0.00340	0.79004	423.0	22.0	386.0	20.0	645	96	386.0	20.0	8.7	Rim
IOS1703_44	484	4.68	0.93200	0.01900	0.10810	0.00190	0.76051	668.0	10.0	661.0	11.0	677	29	661.0	11.0	1.0	Core
IOS1703_45	826	13.25	0.50800	0.04600	0.05360	0.00220	0.08644	414.0	30.0	336.0	14.0	850	190	DISC	DISC	18.8	Rim
IOS1703_45	49.5	0.72	0.83000	0.03700	0.09460	0.00250	0.37609	613.0	22.0	582.0	15.0	707	95	582.0	15.0	5.1	Core
IOS1703_46	405	1.69	0.88900	0.03200	0.10380	0.00340	0.61207	643.0	17.0	636.0	20.0	663	58	636.0	20.0	1.1	Single Age
IOS1703_47	350	2.58	1.51000	0.12000	0.05740	0.00170	0.62719	881.0	56.0	359.0	11.0	2400	170	DISC	DISC	59.3	Single Age
IOS1703_48	591	2.16	0.85600	0.01600	0.09710	0.00160	0.59249	626.3	9.0	597.0	9.5	732	36	597.0	9.5	4.7	Single Age
IOS1703_49	651	1.92	1.56900	0.03800	0.15880	0.00350	0.69513	956.0	15.0	949.0	20.0	958	37	949.0	20.0	0.7	Single Age
IOS1703_50	508	2.71	1.32700	0.03800	0.13630	0.00270	0.60375	855.0	16.0	824.0	15.0	932	45	824.0	15.0	3.6	Single Age
IOS1703_51	1364	19.70	4.56000	0.16000	0.24060	0.00630	0.71970	1737.0	31.0	1389.0	33.0	2182	44	DISC	DISC	36.3	Single Age
IOS1703_52	194.2	10.35	1.07700	0.02100	0.12030	0.00140	0.14188	740.0	10.0	732.2	7.9	748	39	732.2	7.9	1.1	Single Age
IOS1703_53	416	4.01	0.89400	0.02000	0.10730	0.00220	0.65144	647.0	11.0	657.0	13.0	597	41	657.0	13.0	1.5	Single Age
IOS1703_54	148.3	0.98	0.84900	0.02500	0.09170	0.00160	0.40352	622.0	13.0	565.3	9.5	804	56	565.3	9.5	9.1	Single Age
IOS1703_55	89.9	0.39	1.05600	0.03400	0.10590	0.00200	0.45887	727.0	17.0	649.0	11.0	950	62	DISC	DISC	10.7	Single Age
IOS1703_56	228	1.04	1.79200	0.04700	0.17330	0.00340	0.65531	1041.0	18.0	1030.0	19.0	1057	39	1030.0	19.0	1.1	Single Age
IOS1703_57	566	2.15	0.70400	0.01200	0.08670	0.00150	0.63532	541.4	6.9	535.9	8.6	536	32	535.9	8.6	1.0	Single Age
IOS1703_58	203	1.52	1.73700	0.04500	0.14070	0.00290	0.60647	1019.0	17.0	848.0	16.0	1383	38	DISC	DISC	16.8	Single Age
IOS1703_59	69.2	0.66	10.99000	0.21000	0.45580	0.00800	0.54270	2520.0	18.0	2424.0	37.0	2581	30	2581.0	30.0	6.1	Single Age
IOS1703_60	254	1.35	5.58000	0.11000	0.28310	0.00430	0.75700	1910.0	17.0	1606.0	21.0	2240	22	DISC	DISC	28.3	Single Age

Table A3, con't.

IOS1703_61	208.3	1.14	4.78000	0.16000	0.29650	0.00580	0.60970	1774.0	25.0	1677.0	30.0	1862	32	1862.0	32.0	9.9	Single Age
IOS1703_62	79.2	1.48	2.35400	0.06200	0.20680	0.00390	0.50914	1225.0	19.0	1211.0	21.0	1226	48	1226.0	48.0	1.2	Single Age
IOS1703_63	320	1.30	0.93200	0.02300	0.10320	0.00220	0.49008	667.0	12.0	633.0	13.0	778	47	633.0	13.0	5.1	Single Age
IOS1703_64	175.1	2.45	1.67300	0.08900	0.14700	0.00390	0.71920	988.0	33.0	884.0	22.0	1195	76	DISC	DISC	10.5	Single Age
IOS1703_65	802	38.50	0.89400	0.01300	0.10460	0.00160	0.63587	647.5	7.1	641.0	9.4	656	28	641.0	9.4	1.0	Single Age
IOS1703_66	1231	37.60	0.56100	0.04800	0.06770	0.00520	0.74332	451.0	31.0	422.0	31.0	610	130	422.0	31.0	6.4	Rim
IOS1703_66	302	8.11	1.07000	0.07800	0.11770	0.00510	0.69183	733.0	38.0	717.0	29.0	760	110	717.0	29.0	2.2	Rim
IOS1703_66	284	1.19	4.39600	0.09800	0.26970	0.00620	0.68345	1715.0	21.0	1539.0	31.0	1894	43	1894.0	43.0	18.7	Core
IOS1703_67	234.3	0.82	5.50000	0.09200	0.33450	0.00460	0.61856	1898.0	14.0	1863.0	23.0	1924	25	1924.0	25.0	3.2	Single Age
IOS1703_69	326	9.30	1.09500	0.03800	0.12270	0.00310	0.66646	745.0	18.0	745.0	18.0	724	42	745.0	18.0	0.0	Single Age
IOS1703_70	365	1.84	0.69600	0.01600	0.08670	0.00160	0.60894	536.0	10.0	535.7	9.3	517	39	535.7	9.3	0.1	Single Age
IOS1703_71	291.2	5.96	0.76500	0.02300	0.09410	0.00280	0.72857	575.0	13.0	579.0	16.0	539	49	579.0	16.0	0.7	Single Age
IOS1703_72	101	-34.00	0.85700	0.03700	0.09850	0.00220	0.19151	623.0	20.0	605.0	13.0	648	93	605.0	13.0	2.9	Single Age
IOS1703_73	1630	93.00	0.51000	0.12000	0.05060	0.00160	0.97827	368.0	29.0	317.9	9.9	585	82	DISC	DISC	13.6	Single Age
IOS1703_74	2410	155.00	0.48500	0.06800	0.05450	0.00380	0.82572	394.0	44.0	342.0	23.0	650	170	DISC	DISC	13.2	Rim
IOS1703_74	424.1	0.81	11.62000	0.21000	0.48020	0.00930	0.75981	2571.0	17.0	2525.0	41.0	2596	23	2596.0	23.0	2.7	Core
IOS1703_75	1100	20.70	0.50700	0.02300	0.06530	0.00300	0.87388	415.0	16.0	407.0	18.0	472	52	407.0	18.0	1.9	Rim
IOS1703_75	52.5	2.65	2.63000	0.23000	0.13770	0.00380	0.38470	1270.0	63.0	831.0	21.0	2050	150	DISC	DISC	34.6	Core
IOS1703_76	549	5.74	1.59800	0.04300	0.15520	0.00370	0.74055	966.0	17.0	929.0	21.0	1041	36	929.0	21.0	3.8	Single Age
IOS1703_77	1062	52.80	1.80800	0.03000	0.17130	0.00260	0.67809	1048.0	11.0	1019.0	14.0	1091	25	1019.0	14.0	2.8	Single Age
IOS1703_78	1229	2.36	0.47900	0.01700	0.06050	0.00150	0.69965	397.0	12.0	378.5	9.2	512	54	378.5	9.2	4.7	Rim
IOS1703_78	305	0.44	0.83500	0.02900	0.09890	0.00270	0.69167	613.0	16.0	607.0	16.0	619	52	607.0	16.0	1.0	Core
IOS1703_79	311.6	6.12	1.54700	0.04000	0.15340	0.00280	0.57214	947.0	16.0	919.0	16.0	986	39	919.0	16.0	3.0	Single Age
IOS1703_80	2109	26.00	0.43700	0.01900	0.05550	0.00200	0.67548	368.0	13.0	348.0	12.0	507	73	348.0	12.0	5.4	Rim
IOS1703_80	106.9	1.12	1.86300	0.04700	0.17720	0.00320	0.49425	1066.0	17.0	1051.0	17.0	1079	44	1051.0	17.0	1.4	Core
IOS1703_81	59.4	0.76	1.88000	0.05500	0.17090	0.00300	0.51118	1069.0	20.0	1017.0	17.0	1171	50	1017.0	17.0	4.9	Single Age

Table A3, con’t.

IOS1703_82	1170	17.70	1.24700	0.02300	0.13330	0.00210	0.72514	822.0	11.0	806.0	12.0	864	26	806.0	12.0	1.9	Single Age
IOS1703_83	126.8	1.08	1.84300	0.06300	0.17880	0.00500	0.57499	1057.0	22.0	1060.0	28.0	1044	58	1060.0	28.0	0.3	Single Age
IOS1703_84	1460	21.00	0.44500	0.01600	0.05870	0.00180	0.85947	372.0	11.0	368.0	11.0	397	39	368.0	11.0	1.1	Single Age
IOS1703_85	1350	10.80	0.46400	0.02800	0.05400	0.00120	0.13362	386.0	19.0	339.3	7.5	670	130	DISC	DISC	12.1	Rim
IOS1703_85	143	0.80	0.78700	0.02800	0.09170	0.00210	0.53274	586.0	16.0	565.0	13.0	650	66	565.0	13.0	3.6	Core
IOS1703_86	688	6.36	0.52600	0.02600	0.06840	0.00310	0.13031	428.0	17.0	426.0	19.0	466	90	426.0	19.0	0.5	Rim
IOS1703_86	479	2.11	0.79000	0.01500	0.09630	0.00150	0.62915	591.3	8.4	592.7	9.0	578	35	592.7	9.0	0.2	Core
IOS1703_87	583	24.40	0.50700	0.02700	0.05990	0.00240	0.53970	415.0	18.0	375.0	14.0	663	93	375.0	14.0	9.6	Rim
IOS1703_87	26	1.45	2.37000	0.10000	0.19900	0.00550	0.40862	1225.0	30.0	1169.0	29.0	1326	78	1169.0	29.0	4.6	Core
IOS1703_88	144.4	1.38	11.69000	0.37000	0.45500	0.01100	0.60107	2571.0	28.0	2414.0	49.0	2715	38	2715.0	38.0	11.1	Single Age
IOS1703_89	242	1.67	4.79000	0.16000	0.29600	0.00990	0.83190	1779.0	29.0	1667.0	49.0	1916	38	1916.0	38.0	13.0	Single Age
IOS1703_90	135.3	1.63	1.01900	0.02300	0.11360	0.00180	0.22046	711.0	11.0	694.0	11.0	760	49	694.0	11.0	2.4	Single Age
IOS1703_91	234	1.45	1.34200	0.08400	0.12100	0.00310	0.01760	849.0	31.0	736.0	18.0	1130	100	DISC	DISC	13.3	Single Age
IOS1703_92	954	9.67	24.07000	0.52000	0.62800	0.01200	0.63859	3265.0	22.0	3136.0	47.0	3348	26	3348.0	26.0	6.3	Single Age
IOS1703_93	655	12.70	0.43300	0.01500	0.05580	0.00120	0.31607	365.0	10.0	350.1	7.3	478	86	350.1	7.3	4.1	Rim
IOS1703_93	181.2	0.96	0.89100	0.02100	0.10700	0.00190	0.55722	645.0	11.0	655.0	11.0	594	46	655.0	11.0	1.6	Core
IOS1703_94	2250	76.00	0.52200	0.05000	0.05540	0.00370	0.26558	432.0	37.0	347.0	22.0	850	140	DISC	DISC	19.7	Rim
IOS1703_94	179	2.66	1.54400	0.04700	0.15130	0.00310	0.63611	944.0	19.0	907.0	17.0	1017	50	907.0	17.0	3.9	Core
IOS1703_95	290.2	0.94	5.32200	0.09000	0.32070	0.00430	0.76282	1869.0	14.0	1792.0	21.0	1960	20	1960.0	20.0	8.6	Single Age
IOS1703_96	286.1	2.38	0.84500	0.02400	0.10010	0.00210	0.59592	620.0	13.0	615.0	12.0	632	52	615.0	12.0	0.8	Single Age
IOS1703_97	84.6	0.76	1.74500	0.03700	0.17280	0.00260	0.38864	1022.0	14.0	1027.0	14.0	1020	44	1027.0	14.0	0.5	Single Age
IOS1703_98	309	17.30	0.90900	0.03200	0.10980	0.00390	0.78768	654.0	17.0	675.0	24.0	584	50	675.0	24.0	3.2	Single Age
IOS1703_99	263	6.40	0.60800	0.04300	0.06960	0.00410	0.81236	480.0	27.0	433.0	25.0	724	92	433.0	25.0	9.8	Rim
IOS1703_99	23.27	0.42	1.59500	0.06900	0.16300	0.00460	0.39020	963.0	28.0	972.0	25.0	949	88	972.0	25.0	0.9	Core
IOS1703_100	310.3	1.55	6.80000	0.11000	0.37650	0.00530	0.71800	2083.0	14.0	2059.0	25.0	2108	20	2108.0	20.0	2.3	Single Age
IOS1703_101	193	2.31	12.24000	0.24000	0.49820	0.00930	0.70713	2618.0	18.0	2602.0	40.0	2637	23	2637.0	23.0	1.3	Single Age
IOS1703_102	354	1.80	10.61000	0.25000	0.43500	0.00880	0.85362	2482.0	22.0	2325.0	40.0	2618	20	2618.0	20.0	11.2	Single Age

Table A3, con't.

IOS1703_103	120.6	1.08	1.95100	0.04800	0.17020	0.00310	0.63700	1094.0	16.0	1012.0	17.0	1250	39	1012.0	17.0	7.5	Single Age
IOS1703_104	403	3.86	2.09000	0.35000	0.11010	0.00390	0.76477	1080.0	110.0	673.0	23.0	1820	230	DISC	DISC	37.7	Single Age
IOS1703_105	1981	28.10	0.43800	0.02500	0.05370	0.00240	0.73380	373.0	20.0	337.0	15.0	611	96	337.0	15.0	9.7	Rim
IOS1703_105	167	0.82	1.76400	0.09200	0.12380	0.00280	0.16857	1020.0	31.0	752.0	16.0	1626	88	DISC	DISC	26.3	Core
IOS1703_106	348.4	1.69	1.52400	0.05900	0.15280	0.00410	0.69729	934.0	24.0	916.0	23.0	965	58	916.0	23.0	1.9	Single Age
IOS1703_107	160.7	1.62	13.21000	0.22000	0.51130	0.00850	0.69774	2692.0	16.0	2660.0	36.0	2707	20	2707.0	20.0	1.7	Single Age
IOS1703_108	141.6	0.87	1.63500	0.03700	0.15920	0.00260	0.06313	981.0	14.0	952.0	14.0	1039	38	952.0	14.0	3.0	Single Age
IOS1703_109	219	1.27	1.49700	0.04700	0.15120	0.00360	0.76097	925.0	19.0	907.0	20.0	961	42	907.0	20.0	1.9	Single Age
IOS1703_110	394	7.76	9.57000	0.40000	0.43600	0.01100	0.85682	2385.0	38.0	2328.0	52.0	2419	41	2419.0	41.0	3.8	Single Age
IOS1703_111	292	28.90	1.28000	0.15000	0.06820	0.00380	0.40426	802.0	63.0	425.0	23.0	2010	180	DISC	DISC	47.0	Rim
IOS1703_111	82.2	1.84	3.42000	0.21000	0.21130	0.00600	0.74031	1492.0	45.0	1234.0	32.0	1879	74	DISC	DISC	34.3	Core
IOS1703_112	409	2.80	5.05800	0.08500	0.31980	0.00470	0.69013	1826.0	14.0	1788.0	23.0	1870	23	1870.0	23.0	4.4	Single Age
IOS1703_113	221	1.11	0.78700	0.02700	0.09770	0.00280	0.69561	586.0	15.0	600.0	16.0	520	55	600.0	16.0	2.4	Single Age
IOS1703_114	334	7.62	0.85600	0.02200	0.10090	0.00180	0.55142	628.0	12.0	619.0	11.0	665	44	619.0	11.0	1.4	Rim
IOS1703_114	232.4	2.30	2.48000	0.12000	0.20400	0.00880	0.75783	1263.0	36.0	1196.0	47.0	1373	67	1196.0	47.0	5.3	Core
IOS1703_115	321	4.28	1.59700	0.03600	0.15850	0.00310	0.76174	965.0	14.0	948.0	17.0	1004	32	948.0	17.0	1.8	Single Age
IOS1703_116	680	13.70	1.76100	0.03400	0.17270	0.00310	0.71638	1029.0	13.0	1029.0	18.0	1033	28	1029.0	18.0	0.0	Single Age
IOS1703_117	2340	245.00	0.43000	0.01600	0.05740	0.00210	0.74593	362.0	11.0	359.0	13.0	400	59	359.0	13.0	0.8	Rim
IOS1703_117	466	9.99	2.05500	0.05800	0.19530	0.00550	0.66609	1131.0	19.0	1149.0	29.0	1096	46	1149.0	29.0	1.6	Core
IOS1703_118	493	76.00	0.76000	0.14000	0.06640	0.00560	0.73908	561.0	80.0	414.0	34.0	1170	280	DISC	DISC	26.2	Rim
IOS1703_118	418	6.70	10.75000	0.25000	0.45780	0.00990	0.79060	2500.0	21.0	2426.0	44.0	2557	26	2557.0	26.0	5.1	Core
IOS1703_119	628	1.86	0.96700	0.01800	0.11390	0.00190	0.72363	685.6	9.5	695.0	11.0	658	27	695.0	11.0	1.4	Single Age
IOS1703_120	399.4	1.59	11.03000	0.25000	0.44810	0.00860	0.77818	2520.0	21.0	2384.0	38.0	2640	24	2640.0	24.0	9.7	Single Age
IOS1703_121	201	1.00	12.13000	0.23000	0.49030	0.00790	0.74487	2610.0	18.0	2569.0	34.0	2649	22	2649.0	22.0	3.0	Single Age
IOS1703_122	555	1.58	1.42700	0.03900	0.14350	0.00330	0.81795	899.0	17.0	863.0	19.0	988	33	863.0	19.0	4.0	Single Age
IOS1703_123	341	3.31	6.01000	0.26000	0.35700	0.01400	0.94574	1958.0	39.0	1961.0	65.0	1975	24	1975.0	24.0	0.7	Single Age

Table A3, con't.

IOS1703_124	106.7	0.50	1.66000	0.04000	0.16100	0.00320	0.56284	990.0	15.0	962.0	18.0	1064	43	962.0	18.0	2.8	Single Age
IOS1703_125	1590	17.80	0.47400	0.02400	0.06050	0.00260	0.38341	392.0	17.0	378.0	15.0	469	70	378.0	15.0	3.6	Rim
IOS1703_125	167.7	0.65	0.89700	0.02900	0.09840	0.00210	0.04867	650.0	16.0	605.0	12.0	803	61	605.0	12.0	6.9	Core
IOS1703_126	70.9	1.49	1.75500	0.04900	0.17360	0.00380	0.59269	1029.0	19.0	1031.0	21.0	1004	51	1031.0	21.0	0.2	Single Age
IOS1703_127	348	3.45	0.97800	0.02300	0.11350	0.00250	0.68415	691.0	12.0	693.0	14.0	684	38	693.0	14.0	0.3	Single Age
IOS1703_128	228.1	1.94	2.65000	0.14000	0.21310	0.00730	0.86475	1298.0	40.0	1243.0	39.0	1379	58	1379.0	58.0	9.9	Single Age
IOS1703_129	273	1.17	6.00000	0.11000	0.35750	0.00520	0.64020	1974.0	15.0	1969.0	24.0	1968	25	1968.0	25.0	0.1	Single Age
IOS1703_131	331	2.63	1.94300	0.07000	0.16990	0.00520	0.72839	1087.0	25.0	1010.0	28.0	1237	47	1010.0	28.0	7.1	Single Age
IOS1703_132	288	0.63	1.06800	0.05600	0.09460	0.00180	0.38402	726.0	27.0	583.0	11.0	1140	91	DISC	DISC	19.7	Single Age
IOS1703_133	778	3.97	0.79000	0.02000	0.09420	0.00170	0.67427	589.0	11.0	580.0	10.0	618	39	580.0	10.0	1.5	Single Age
IOS1703_134	1039	1.16	1.51800	0.02800	0.15500	0.00250	0.64043	936.0	11.0	928.0	14.0	944	31	928.0	14.0	0.9	Single Age
IOS1703_135	708	2.46	0.88000	0.03800	0.09280	0.00230	0.53607	636.0	20.0	572.0	13.0	846	65	DISC	DISC	10.1	Single Age
IOS1703_136	241.7	2.33	1.03300	0.03100	0.10880	0.00220	0.59952	718.0	15.0	665.0	13.0	861	51	665.0	13.0	7.4	Single Age
IOS1703_137	280	31.90	1.03400	0.02800	0.11690	0.00240	0.75161	720.0	14.0	712.0	14.0	727	37	712.0	14.0	1.1	Single Age
IOS1703_138	379	2.54	0.80100	0.01700	0.09260	0.00170	0.55674	595.7	9.5	571.0	10.0	671	39	571.0	10.0	4.1	Single Age
IOS1703_139	152.3	1.29	10.69000	0.18000	0.42050	0.00600	0.60795	2497.0	16.0	2262.0	27.0	2680	25	2680.0	25.0	15.6	Single Age
IOS1703_140	548	0.57	1.71700	0.06000	0.16600	0.00510	0.74486	1010.0	23.0	989.0	29.0	1022	42	989.0	29.0	2.1	Single Age

SAMPLE NAME: IOS1704																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1704_1	285	1.50	0.56600	0.01500	0.07240	0.00150	0.61198	453.8	9.5	450.1	8.8	452	47	450.1	8.8	0.8	Single Age
IOS1704_2	356	1.55	0.53700	0.01100	0.06900	0.00130	0.62612	435.2	7.3	430.2	7.7	451	37	430.2	7.7	1.1	Single Age
IOS1704_3	528	1.25	0.49900	0.01600	0.06420	0.00220	0.52354	414.0	11.0	401.0	13.0	457	70	401.0	13.0	3.1	Single Age
IOS1704_4	1230	16.00	0.43100	0.02900	0.05950	0.00450	0.81327	363.0	20.0	373.0	28.0	300	100	373.0	28.0	2.8	Rim

Table A3, con't.

IOS1704_4	205.8	1.97	0.96100	0.09400	0.07670	0.00190	0.70215	652.0	44.0	476.0	11.0	1190	140	DISC	DISC	27.0	Core
IOS1704_5	347	2.24	0.50700	0.01600	0.06560	0.00170	0.62308	414.0	11.0	409.0	10.0	424	57	409.0	10.0	1.2	Single Age
IOS1704_6	1340	1.48	0.46000	0.01600	0.05840	0.00190	0.69527	383.0	11.0	366.0	12.0	482	59	366.0	12.0	4.4	Single Age
IOS1704_7	568	1.56	0.57100	0.01300	0.07160	0.00160	0.65528	457.3	8.4	445.8	9.3	526	43	445.8	9.3	2.5	Single Age
IOS1704_8	1860	5.67	0.40300	0.02300	0.05080	0.00250	0.86535	342.0	16.0	320.0	15.0	490	61	320.0	15.0	6.4	Rim
IOS1704_8	544	2.00	0.55500	0.02800	0.07160	0.00300	0.66850	447.0	18.0	445.0	18.0	436	87	445.0	18.0	0.4	Core
IOS1704_9	254	1.48	0.61200	0.02400	0.06830	0.00130	0.27829	482.0	14.0	425.9	8.0	732	75	DISC	DISC	11.6	Single Age
IOS1704_10	271	1.46	0.55600	0.01500	0.07050	0.00120	0.45439	447.0	10.0	439.2	7.5	465	54	439.2	7.5	1.7	Single Age
IOS1704_11	1720	15.80	0.34200	0.01400	0.04580	0.00180	0.82970	298.0	11.0	288.0	11.0	371	53	288.0	11.0	3.4	Rim
IOS1704_11	307	1.51	0.56400	0.01600	0.07150	0.00180	0.62700	453.0	10.0	445.0	11.0	480	50	445.0	11.0	1.8	Core
IOS1704_12	900	1.75	0.54300	0.01200	0.06720	0.00110	0.49172	440.6	7.9	419.0	6.4	538	42	419.0	6.4	4.9	Single Age
IOS1704_14	878	7.47	0.35600	0.01100	0.04790	0.00120	0.71545	308.4	8.5	301.3	7.3	350	50	301.3	7.3	2.3	Rim
IOS1704_14	152.1	1.75	0.62700	0.02600	0.07280	0.00250	0.50001	492.0	16.0	453.0	15.0	660	82	453.0	15.0	7.9	Core
IOS1704_15	404.3	1.48	0.56600	0.01200	0.07170	0.00120	0.63111	454.0	8.1	446.1	7.4	480	36	446.1	7.4	1.7	Single Age
IOS1704_16	718	2.82	0.41100	0.01100	0.05390	0.00110	0.54720	349.1	7.6	338.3	6.8	424	43	338.3	6.8	3.1	Single Age
IOS1704_17	227	1.66	0.53600	0.02400	0.06770	0.00270	0.43386	434.0	16.0	422.0	16.0	482	98	422.0	16.0	2.8	Single Age
IOS1704_18	791	4.98	0.47300	0.01800	0.05470	0.00150	0.53477	392.0	13.0	343.2	9.3	677	70	DISC	DISC	12.4	Rim
IOS1704_18	360	1.59	0.54500	0.01700	0.06900	0.00190	0.56948	441.0	11.0	430.0	12.0	482	62	430.0	12.0	2.5	Core
IOS1704_19	303	1.58	0.48800	0.02100	0.06520	0.00240	0.78649	402.0	14.0	407.0	14.0	360	60	407.0	14.0	1.2	Single Age
IOS1704_20	325	1.48	0.55600	0.01200	0.07050	0.00110	0.54535	449.0	8.0	438.8	6.8	487	41	438.8	6.8	2.3	Single Age
IOS1704_21	474	1.41	0.52500	0.01700	0.06920	0.00200	0.63708	428.0	11.0	431.0	12.0	393	62	431.0	12.0	0.7	Single Age
IOS1704_22	296	1.67	0.55700	0.01400	0.06930	0.00130	0.51673	448.7	8.8	431.8	7.9	522	47	431.8	7.9	3.8	Single Age
IOS1704_23	1183	5.78	0.41400	0.02600	0.05280	0.00280	0.67204	351.0	18.0	332.0	17.0	468	98	332.0	17.0	5.4	Rim
IOS1704_23	284.7	1.52	0.56100	0.01500	0.07340	0.00140	0.62714	451.0	9.5	456.7	8.6	416	46	456.7	8.6	1.3	Core
IOS1704_24	117	1.58	0.62300	0.02300	0.07080	0.00140	0.35868	488.0	14.0	440.6	8.6	671	73	440.6	8.6	9.7	Single Age
IOS1704_25	3950	60.00	0.32500	0.01300	0.04340	0.00200	0.74183	285.0	10.0	274.0	12.0	377	72	274.0	12.0	3.9	Rim
IOS1704_25	292.9	1.51	0.54900	0.01700	0.07200	0.00170	0.57859	444.0	11.0	448.0	10.0	412	57	448.0	10.0	0.9	Core

Table A3, con't.

IOS1704_26	321	1.82	0.60200	0.01500	0.07370	0.00140	0.44351	476.9	9.3	458.2	8.6	552	52	458.2	8.6	3.9	Single Age
IOS1704_27	155	1.53	0.56500	0.01600	0.07150	0.00120	0.45248	453.0	10.0	445.1	7.1	472	58	445.1	7.1	1.7	Single Age
IOS1704_28	565	1.94	0.51600	0.01600	0.06760	0.00190	0.63897	422.0	11.0	422.0	11.0	404	53	422.0	11.0	0.0	Single Age
IOS1704_29	188	1.42	0.56700	0.01500	0.07120	0.00180	0.42658	454.7	9.6	443.0	11.0	513	60	443.0	11.0	2.6	Single Age
IOS1704_30	410	1.19	0.56200	0.01200	0.06790	0.00160	0.54390	451.6	8.0	423.1	9.5	592	47	423.1	9.5	6.3	Single Age
IOS1704_31	544	1.54	0.56100	0.01500	0.07140	0.00170	0.62822	451.2	9.6	444.0	10.0	477	48	444.0	10.0	1.6	Single Age
IOS1704_32	1500	15.50	0.41400	0.02100	0.05210	0.00190	0.73950	351.0	15.0	328.0	12.0	495	72	328.0	12.0	6.6	Rim
IOS1704_32	259	2.10	0.52700	0.01500	0.06340	0.00160	0.57551	428.0	10.0	396.0	10.0	593	55	396.0	10.0	7.5	Core
IOS1704_33	853	7.20	0.40700	0.01700	0.05260	0.00220	0.64416	346.0	12.0	330.0	14.0	445	77	330.0	14.0	4.6	Rim
IOS1704_33	331	1.56	0.47800	0.01600	0.06230	0.00200	0.64429	396.0	11.0	389.0	12.0	440	63	389.0	12.0	1.8	Core
IOS1704_34	700	2.63	0.49100	0.01200	0.06390	0.00120	0.65379	404.3	7.8	398.9	7.0	421	39	398.9	7.0	1.3	Single Age
IOS1704_35	314	1.59	0.53300	0.01200	0.06570	0.00100	0.58370	432.5	8.0	410.3	6.2	535	41	410.3	6.2	5.1	Single Age
IOS1704_36	478	1.70	0.56000	0.01400	0.07100	0.00170	0.59009	450.5	8.9	442.0	10.0	478	46	442.0	10.0	1.9	Single Age
IOS1704_37	280	1.44	0.55900	0.01400	0.06780	0.00130	0.53594	449.4	9.2	422.7	7.6	571	47	422.7	7.6	5.9	Single Age
IOS1704_38	1365	15.60	0.39300	0.01400	0.05170	0.00120	0.68230	336.0	10.0	325.1	7.3	396	62	325.1	7.3	3.2	Rim
IOS1704_38	417	1.49	0.56300	0.01400	0.07200	0.00120	0.52194	454.2	9.7	448.1	7.0	467	49	448.1	7.0	1.3	Core
IOS1704_39	276	1.48	0.58300	0.01700	0.07500	0.00170	0.47439	465.0	11.0	466.0	10.0	446	57	466.0	10.0	0.2	Single Age
IOS1704_40	1970	31.00	0.31290	0.00920	0.04280	0.00110	0.72102	276.0	7.1	270.1	6.7	306	50	270.1	6.7	2.1	Rim
IOS1704_40	217	2.40	0.43600	0.02500	0.05730	0.00320	0.60468	371.0	19.0	359.0	19.0	430	110	359.0	19.0	3.2	Core
IOS1704_41	1740	17.40	0.30600	0.01200	0.04100	0.00130	0.84681	270.8	9.0	258.7	8.2	355	48	258.7	8.2	4.5	Rim
IOS1704_41	245.4	1.74	0.48600	0.01800	0.06280	0.00180	0.53987	403.0	12.0	392.0	11.0	421	73	392.0	11.0	2.7	Core
IOS1704_42	276	1.65	0.56800	0.01400	0.07350	0.00180	0.58397	455.3	9.0	457.0	11.0	446	49	457.0	11.0	0.4	Single Age
IOS1704_43	466	1.94	0.50800	0.01300	0.06320	0.00120	0.63430	416.0	9.0	395.1	7.3	543	45	395.1	7.3	5.0	Single Age
IOS1704_44	308	1.81	0.56400	0.01300	0.07180	0.00110	0.51537	452.7	8.2	447.0	6.7	466	43	447.0	6.7	1.3	Single Age
IOS1704_45	291	1.48	0.54600	0.01200	0.06770	0.00120	0.51473	441.4	7.9	422.4	7.0	519	46	422.4	7.0	4.3	Single Age
IOS1704_46	324	1.43	0.47000	0.02100	0.05600	0.00140	0.18095	390.0	14.0	350.9	8.8	601	91	DISC	DISC	10.0	Single Age
IOS1704_47	172.4	1.48	0.56100	0.01600	0.07120	0.00140	0.44607	451.0	10.0	443.5	8.2	470	56	443.5	8.2	1.7	Single Age

Table A3, con't.

IOS1704_48	269	2.70	0.52600	0.01900	0.06570	0.00170	0.53708	428.0	12.0	410.0	10.0	505	65	410.0	10.0	4.2	Single Age
IOS1704_49	142.5	1.57	0.56000	0.01800	0.06920	0.00120	0.32852	450.0	11.0	431.0	7.3	529	67	431.0	7.3	4.2	Single Age
IOS1704_50	305.9	1.38	0.57800	0.01400	0.06900	0.00160	0.52110	462.4	8.9	429.7	9.4	627	51	429.7	9.4	7.1	Single Age
IOS1704_51	492	1.28	0.51800	0.01100	0.06570	0.00160	0.64573	422.9	7.6	410.3	9.5	488	43	410.3	9.5	3.0	Single Age
IOS1704_52	613	1.24	0.54000	0.01000	0.06950	0.00120	0.66812	438.0	6.9	433.2	7.2	454	33	433.2	7.2	1.1	Single Age
IOS1704_53	272	1.63	0.54100	0.01300	0.06970	0.00110	0.37603	437.8	8.5	434.1	6.5	433	49	434.1	6.5	0.8	Single Age
IOS1704_54	421	1.40	0.56600	0.01200	0.07260	0.00120	0.60987	454.2	7.7	451.5	7.2	450	38	451.5	7.2	0.6	Single Age
IOS1704_55	418	1.60	0.57500	0.01800	0.07250	0.00190	0.60164	459.0	12.0	451.0	11.0	513	50	451.0	11.0	1.7	Single Age
IOS1704_56	448	1.54	0.56300	0.01300	0.07130	0.00140	0.61792	452.3	8.6	443.7	8.7	485	42	443.7	8.7	1.9	Single Age
IOS1704_57	214	1.50	0.57400	0.01900	0.07340	0.00180	0.56807	458.0	12.0	456.0	11.0	447	58	456.0	11.0	0.4	Single Age
IOS1704_58	133.4	1.37	0.60100	0.01800	0.07820	0.00150	0.42920	477.0	12.0	485.1	8.9	422	61	485.1	8.9	1.7	Single Age
IOS1704_59	657	3.21	0.38400	0.01200	0.04920	0.00120	0.47376	329.2	8.6	309.2	7.6	462	64	309.2	7.6	6.1	Rim
IOS1704_59	170.2	1.91	0.51400	0.02600	0.06630	0.00210	0.56742	419.0	17.0	414.0	13.0	427	90	414.0	13.0	1.2	Core
IOS1704_60	90.2	1.62	0.55900	0.01700	0.07030	0.00140	0.36549	448.0	11.0	437.7	8.7	488	65	437.7	8.7	2.3	Single Age
IOS1704_61	3040	59.00	0.34700	0.01500	0.04630	0.00180	0.84123	301.0	11.0	292.0	11.0	377	48	292.0	11.0	3.0	Rim
IOS1704_61	423	1.57	0.59100	0.02300	0.07420	0.00220	0.75221	470.0	14.0	464.0	14.0	485	55	464.0	14.0	1.3	Core
IOS1704_62	1220	3.79	0.39800	0.02100	0.04990	0.00230	0.73875	339.0	15.0	314.0	14.0	507	76	314.0	14.0	7.4	Rim
IOS1704_62	311	1.52	0.55700	0.01500	0.07140	0.00160	0.59140	448.0	9.9	444.3	9.5	456	52	444.3	9.5	0.8	Core
IOS1704_63	441	1.38	0.57700	0.01600	0.07290	0.00160	0.59198	461.0	10.0	453.5	9.3	487	50	453.5	9.3	1.6	Single Age
IOS1704_64	365	1.91	0.55100	0.01300	0.07020	0.00120	0.58934	444.8	8.5	437.0	7.5	473	41	437.0	7.5	1.8	Single Age
IOS1704_65	271	2.59	0.50900	0.01300	0.06530	0.00120	0.51058	418.1	8.8	407.7	7.1	463	50	407.7	7.1	2.5	Single Age
IOS1704_66	1280	6.30	0.36100	0.01300	0.04730	0.00150	0.75818	311.8	9.6	297.7	9.5	414	54	297.7	9.5	4.5	Rim
IOS1704_66	154	1.77	0.61600	0.05400	0.06880	0.00220	0.50769	481.0	30.0	428.0	13.0	700	110	DISC	DISC	11.0	Core
IOS1704_67	2110	29.40	0.41500	0.01800	0.05540	0.00140	0.67636	352.0	12.0	347.6	8.6	368	70	347.6	8.6	1.3	Rim
IOS1704_67	329.2	1.48	0.56200	0.01900	0.07370	0.00200	0.64446	451.0	12.0	458.0	12.0	403	56	458.0	12.0	1.6	Core
IOS1704_68	294	1.82	0.52600	0.02300	0.06260	0.00170	0.42753	426.0	14.0	391.0	10.0	615	69	391.0	10.0	8.2	Single Age
IOS1704_69	160.9	1.38	0.56100	0.01500	0.06930	0.00140	0.40714	450.7	9.9	431.5	8.7	544	57	431.5	8.7	4.3	Single Age

Table A3, con't.

IOS1704_70	563	2.52	0.57500	0.02000	0.06930	0.00170	0.66325	458.0	13.0	432.0	10.0	578	48	432.0	10.0	5.7	Single Age
IOS1704_71	667	3.55	0.47900	0.02400	0.05860	0.00130	0.47459	390.0	13.0	366.8	7.9	486	41	366.8	7.9	5.9	Single Age
IOS1704_72	363	1.91	0.49100	0.01700	0.06060	0.00170	0.58187	403.0	11.0	379.0	10.0	543	65	379.0	10.0	6.0	Single Age
IOS1704_73	436	1.72	0.55200	0.01300	0.06930	0.00140	0.54047	445.1	8.8	431.9	8.6	502	48	431.9	8.6	3.0	Single Age
IOS1704_74	512	1.49	0.56900	0.01000	0.07260	0.00110	0.58659	456.4	6.7	451.7	6.8	467	34	451.7	6.8	1.0	Single Age
IOS1704_75	226.1	2.04	0.51300	0.01700	0.06110	0.00120	0.22284	419.0	11.0	382.2	7.5	604	68	382.2	7.5	8.8	Single Age
IOS1704_76	693	8.68	0.38800	0.01400	0.05130	0.00150	0.48686	333.0	10.0	322.5	9.4	394	75	322.5	9.4	3.2	Rim
IOS1704_76	220	2.41	0.55300	0.02000	0.06880	0.00180	0.54051	446.0	13.0	429.0	11.0	518	67	429.0	11.0	3.8	Core
IOS1704_77	616	1.66	0.58200	0.01200	0.07300	0.00120	0.54417	464.9	7.6	454.1	7.2	510	38	454.1	7.2	2.3	Single Age
IOS1704_78	1411	36.10	0.39000	0.01800	0.05210	0.00210	0.74497	333.0	13.0	327.0	13.0	363	65	327.0	13.0	1.8	Rim
IOS1704_78	288	1.77	0.53500	0.01900	0.06690	0.00210	0.58731	434.0	13.0	417.0	13.0	512	68	417.0	13.0	3.9	Core
IOS1704_79	1064	1.79	0.45400	0.01200	0.05780	0.00160	0.79599	378.9	8.6	361.8	9.7	490	39	361.8	9.7	4.5	Single Age
IOS1704_80	248	1.65	0.56200	0.01600	0.07010	0.00140	0.48685	451.0	10.0	436.7	8.5	509	55	436.7	8.5	3.2	Single Age
IOS1704_81	158.6	1.78	0.54800	0.01300	0.07050	0.00130	0.34339	442.4	8.7	439.2	7.9	449	54	439.2	7.9	0.7	Single Age
IOS1704_82	994	2.09	0.49930	0.00930	0.06610	0.00110	0.75577	412.1	6.3	412.6	6.7	396	28	412.6	6.7	0.1	Single Age
IOS1704_83	282	1.19	0.50900	0.01700	0.06680	0.00190	0.38037	415.0	11.0	416.0	12.0	402	57	416.0	12.0	0.2	Single Age
IOS1704_84	140.3	1.02	1.87000	0.08500	0.08170	0.00230	0.44042	1069.0	32.0	506.0	13.0	2505	71	DISC	DISC	52.7	Single Age
IOS1704_85	624	2.28	0.57500	0.01200	0.07400	0.00140	0.60504	460.2	7.6	459.8	8.5	457	38	459.8	8.5	0.1	Single Age
IOS1704_86	333.7	1.59	0.60300	0.01600	0.07210	0.00160	0.42026	478.0	10.0	448.9	9.4	612	50	448.9	9.4	6.1	Single Age
IOS1704_87	529	1.87	0.50600	0.01900	0.06450	0.00190	0.54877	415.0	13.0	403.0	12.0	495	80	403.0	12.0	2.9	Rim
IOS1704_87	232.2	1.82	0.55500	0.02000	0.07110	0.00160	0.48614	447.0	13.0	442.8	9.7	452	71	442.8	9.7	0.9	Core
IOS1704_88	1710	9.20	0.28800	0.02000	0.03850	0.00240	0.89549	256.0	15.0	244.0	15.0	368	63	244.0	15.0	4.7	Rim
IOS1704_88	333.9	1.24	0.57700	0.01700	0.07430	0.00210	0.65475	462.0	11.0	462.0	12.0	452	54	462.0	12.0	0.0	Core
IOS1704_89	452	1.50	0.51100	0.01300	0.06430	0.00120	0.57440	418.0	8.8	401.5	7.2	493	45	401.5	7.2	3.9	Single Age
IOS1704_90	263	1.86	0.59400	0.01500	0.07220	0.00120	0.52691	471.6	9.6	449.4	7.1	564	48	449.4	7.1	4.7	Single Age
IOS1704_91	209	1.71	0.55800	0.01600	0.06990	0.00160	0.50618	450.0	11.0	435.2	9.5	505	58	435.2	9.5	3.3	Single Age

Table A3, con't.

IOS1704_92	258	1.80	0.54600	0.01400	0.07080	0.00120	0.63329	440.7	9.2	440.5	7.3	427	45	440.5	7.3	0.0	Single Age
IOS1704_93	998	13.10	0.43800	0.01800	0.05970	0.00260	0.61769	368.0	13.0	374.0	15.0	334	78	374.0	15.0	1.6	Single Age
IOS1704_94	649	1.34	0.57300	0.01400	0.07280	0.00140	0.54686	459.4	9.1	453.1	8.2	465	40	453.1	8.2	1.4	Single Age
IOS1704_95	1421	6.40	0.44500	0.01500	0.05870	0.00180	0.77205	373.0	10.0	368.0	11.0	385	52	368.0	11.0	1.3	Rim
IOS1704_95	478	1.33	0.59800	0.01500	0.07360	0.00160	0.68721	474.6	9.4	457.4	9.3	552	40	457.4	9.3	3.6	Core
IOS1704_96	319.1	1.37	0.57500	0.01500	0.07430	0.00140	0.50650	459.7	9.4	462.0	8.5	436	50	462.0	8.5	0.5	Single Age
IOS1704_97	215	1.95	0.54600	0.01600	0.06760	0.00160	0.53219	440.0	11.0	421.4	9.5	530	53	421.4	9.5	4.2	Single Age
IOS1704_98	408	1.70	0.54900	0.01400	0.06950	0.00150	0.65706	443.1	9.1	433.1	9.2	489	43	433.1	9.2	2.3	Single Age
IOS1704_99	1594	27.90	0.36600	0.01300	0.04720	0.00160	0.67270	316.0	9.8	297.0	10.0	472	66	297.0	10.0	6.0	Rim
IOS1704_99	252.1	1.56	0.58200	0.01800	0.07390	0.00170	0.53654	464.0	11.0	459.0	10.0	479	59	459.0	10.0	1.1	Core
IOS1704_100	365	1.19	0.53600	0.01200	0.06830	0.00130	0.51015	435.1	8.0	425.9	7.9	476	47	425.9	7.9	2.1	Single Age
IOS1704_101	256.9	1.64	0.52600	0.01400	0.06800	0.00150	0.66033	429.0	9.1	424.2	9.0	448	42	424.2	9.0	1.1	Single Age
IOS1704_102	225	1.41	0.50500	0.01300	0.06440	0.00130	0.43725	413.9	8.8	401.9	8.1	471	54	401.9	8.1	2.9	Single Age
IOS1704_103	261	1.74	0.54600	0.01400	0.07000	0.00150	0.50042	441.2	9.2	436.0	9.2	468	53	436.0	9.2	1.2	Single Age
IOS1704_104	262	1.59	0.52700	0.01900	0.06770	0.00190	0.71580	430.0	13.0	422.0	11.0	459	58	422.0	11.0	1.9	Single Age
IOS1704_105	439	1.77	0.58000	0.02300	0.07130	0.00260	0.70614	461.0	15.0	443.0	16.0	550	62	443.0	16.0	3.9	Single Age
IOS1704_106	139.1	1.69	0.53200	0.01600	0.06630	0.00120	0.50807	432.0	11.0	413.9	7.1	510	57	413.9	7.1	4.2	Single Age
IOS1704_107	492	2.85	0.52600	0.01800	0.06320	0.00150	0.66960	427.0	12.0	394.6	9.0	581	54	394.6	9.0	7.6	Single Age
IOS1704_108	366	1.54	0.55500	0.01100	0.07320	0.00140	0.60396	447.1	7.4	455.2	8.5	396	39	455.2	8.5	1.8	Single Age
IOS1704_109	358	1.54	0.49000	0.01800	0.05980	0.00200	0.68190	404.0	12.0	374.0	12.0	555	65	374.0	12.0	7.4	Single Age
IOS1704_110	987	1.22	0.57600	0.01700	0.07320	0.00210	0.76624	461.0	11.0	455.0	13.0	508	46	455.0	13.0	1.3	Single Age
IOS1704_111	69	1.17	6.30000	0.14000	0.37250	0.00760	0.60343	2013.0	20.0	2039.0	35.0	1983	33	1983.0	33.0	2.8	Single Age
IOS1704_112	159	1.00	1.46000	0.14000	0.05840	0.00130	0.52394	866.0	53.0	365.6	7.7	2400	140	DISC	DISC	57.8	Single Age
IOS1704_113	150	1.65	0.53900	0.01500	0.06960	0.00120	0.49718	437.1	9.8	434.5	7.5	442	54	434.5	7.5	0.6	Single Age
IOS1704_114	135.2	1.46	0.55200	0.01900	0.07160	0.00170	0.48875	444.0	12.0	445.0	10.0	428	65	445.0	10.0	0.2	Single Age
IOS1704_115	181	2.06	0.63300	0.03200	0.07180	0.00130	0.34363	493.0	18.0	446.8	8.0	692	84	446.8	8.0	9.4	Single Age

Table A3, con't.

IOS1704_116	248	1.24	0.51700	0.01500	0.06780	0.00150	0.54580	421.7	9.8	422.9	9.0	418	51	422.9	9.0	0.3	Single Age
IOS1704_117	538	1.74	0.53600	0.01300	0.06310	0.00170	0.50403	434.2	8.8	394.0	10.0	653	56	394.0	10.0	9.3	Single Age
IOS1704_118	742	1.52	0.34700	0.02300	0.04240	0.00260	0.90945	299.0	17.0	267.0	16.0	569	54	DISC	DISC	10.7	Single Age
IOS1704_119	348	1.97	0.52700	0.01600	0.06710	0.00130	0.62241	429.0	10.0	418.5	8.0	471	54	418.5	8.0	2.4	Single Age
IOS1704_120	246	2.16	0.57800	0.01700	0.07490	0.00170	0.57839	461.0	11.0	465.0	10.0	434	53	465.0	10.0	0.9	Single Age
IOS1704_121	304	1.75	0.57400	0.01200	0.07420	0.00110	0.45404	459.7	7.7	461.4	6.8	444	43	461.4	6.8	0.4	Single Age
IOS1704_122	449	1.33	0.52700	0.01400	0.06720	0.00120	0.51107	428.9	9.5	419.0	7.5	474	54	419.0	7.5	2.3	Single Age
IOS1704_123	2210	38.00	0.36100	0.01500	0.04720	0.00150	0.62363	312.0	11.0	297.5	9.4	398	66	297.5	9.4	4.6	Rim
IOS1704_123	613	1.65	0.46300	0.01700	0.05730	0.00200	0.76289	385.0	12.0	359.0	12.0	533	52	359.0	12.0	6.8	Core
IOS1704_124	1758	1.13	0.57190	0.00890	0.07240	0.00110	0.75761	458.6	5.8	450.7	6.7	498	24	450.7	6.7	1.7	Single Age
IOS1704_125	306	1.82	0.56100	0.01400	0.07220	0.00150	0.55112	451.0	8.8	449.5	8.8	455	47	449.5	8.8	0.3	Single Age
IOS1704_126	235.5	1.35	0.54100	0.01900	0.06920	0.00150	0.49947	437.0	13.0	430.9	8.8	453	67	430.9	8.8	1.4	Single Age
IOS1704_127	252	1.54	0.55500	0.01600	0.07260	0.00160	0.53734	446.0	10.0	451.4	9.9	432	57	451.4	9.9	1.2	Single Age
IOS1704_128	366	0.40	0.91100	0.03500	0.06310	0.00130	0.26820	651.0	18.0	394.1	8.1	1658	89	DISC	DISC	39.5	Single Age
IOS1704_129	331	12.60	0.59100	0.01700	0.07190	0.00170	0.76824	469.0	11.0	447.0	10.0	572	43	447.0	10.0	4.7	Single Age
IOS1704_130	416	1.42	0.52700	0.01100	0.06680	0.00100	0.26609	429.0	7.4	417.0	6.2	486	50	417.0	6.2	2.8	Single Age

SAMPLE NAME: IOS1706

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1706_1	540	9.88	0.92700	0.04100	0.11040	0.00450	0.76615	664.0	22.0	675.0	26.0	630	67	675.0	26.0	1.7	Rim
IOS1706_1	269.2	1.90	1.22500	0.02900	0.13340	0.00290	0.72933	810.0	13.0	806.0	16.0	815	35	806.0	16.0	0.5	Core
IOS1706_2	101.1	6.53	0.93600	0.02500	0.10850	0.00150	0.36039	668.0	13.0	663.7	8.9	680	54	663.7	8.9	0.6	Single Age
IOS1706_3	117	0.83	1.45800	0.03800	0.14750	0.00270	0.53073	911.0	16.0	886.0	15.0	976	44	886.0	15.0	2.7	Single Age

Table A3, con't.

IOS1706_4	48.3	1.15	1.67400	0.06500	0.14810	0.00270	0.41273	990.0	24.0	890.0	15.0	1199	69	DISC	DISC	10.1	Single Age
IOS1706_5	1474	2.78	0.79200	0.01200	0.09310	0.00130	0.80799	591.4	6.8	573.7	7.7	649	20	573.7	7.7	3.0	Single Age
IOS1706_6	303	2.22	8.44000	0.24000	0.44200	0.01200	0.65987	2275.0	26.0	2356.0	52.0	2204	39	2204.0	39.0	6.9	Single Age
IOS1706_7	127.6	2.13	1.23700	0.02900	0.13410	0.00260	0.59830	815.0	13.0	811.0	15.0	824	41	811.0	15.0	0.5	Single Age
IOS1706_8	281	15.60	1.14100	0.02300	0.12550	0.00220	0.52408	771.0	11.0	762.0	13.0	808	36	762.0	13.0	1.2	Single Age
IOS1706_9	205	1.68	0.82200	0.01500	0.09760	0.00150	0.54899	607.8	8.5	600.0	8.9	634	35	600.0	8.9	1.3	Single Age
IOS1706_10	744	3.28	0.85800	0.03800	0.10030	0.00440	0.83395	627.0	20.0	616.0	26.0	674	53	616.0	26.0	1.8	Rim
IOS1706_10	210	1.27	1.03100	0.02400	0.11710	0.00240	0.58679	717.0	12.0	713.0	14.0	726	42	713.0	14.0	0.6	Core
IOS1706_11	174	4.37	0.99000	0.11000	0.09660	0.00550	0.71716	686.0	52.0	593.0	32.0	970	140	DISC	DISC	13.6	Rim
IOS1706_11	73.1	1.70	1.65400	0.07300	0.12890	0.00330	0.30225	983.0	28.0	781.0	19.0	1465	87	DISC	DISC	20.5	Core
IOS1706_12	95.9	1.86	1.16000	0.02400	0.12860	0.00170	0.44151	782.0	11.0	779.5	9.7	776	41	779.5	9.7	0.3	Single Age
IOS1706_13	377	2.04	0.76600	0.01400	0.09100	0.00120	0.51050	576.7	8.3	561.3	7.1	622	35	561.3	7.1	2.7	Single Age
IOS1706_14	160.8	1.02	0.83400	0.02000	0.09550	0.00170	0.59137	614.0	11.0	587.7	9.8	713	42	587.7	9.8	4.3	Single Age
IOS1706_15	259	4.55	0.85600	0.01400	0.10110	0.00110	0.47517	627.7	7.8	620.8	6.5	647	32	620.8	6.5	1.1	Single Age
IOS1706_16	286	6.48	0.78600	0.02700	0.09600	0.00280	0.43425	588.0	15.0	591.0	16.0	576	80	591.0	16.0	0.5	Rim
IOS1706_16	146.5	1.91	1.23100	0.02600	0.13380	0.00220	0.51633	813.0	12.0	809.0	13.0	819	40	809.0	13.0	0.5	Core
IOS1706_17	613	31.20	0.45300	0.03300	0.05790	0.00360	0.61371	379.0	23.0	363.0	22.0	470	130	363.0	22.0	4.2	Rim
IOS1706_17	17.45	1.54	0.94600	0.04800	0.11190	0.00220	0.21284	669.0	25.0	684.0	13.0	590	110	684.0	13.0	2.2	Core
IOS1706_18	625	17.12	0.91600	0.01200	0.10660	0.00110	0.49632	659.7	6.5	653.0	6.6	684	23	653.0	6.6	1.0	Single Age
IOS1706_19	650	14.40	0.41600	0.01700	0.05630	0.00210	0.58890	352.0	12.0	353.0	13.0	345	83	353.0	13.0	0.3	Rim
IOS1706_19	115.3	1.42	0.71100	0.01900	0.08460	0.00130	0.38745	544.0	12.0	523.3	7.8	615	56	523.3	7.8	3.8	Core
IOS1706_20	524	1.25	6.34000	0.09300	0.35440	0.00450	0.76866	2021.0	13.0	1954.0	21.0	2091	16	2091.0	16.0	6.6	Single Age
IOS1706_21	360	0.66	0.79200	0.01300	0.09660	0.00110	0.39826	591.3	7.2	594.5	6.2	572	34	594.5	6.2	0.5	Single Age
IOS1706_22	23.66	1.56	0.92600	0.03400	0.10880	0.00220	0.20222	663.0	19.0	665.0	13.0	633	84	665.0	13.0	0.3	Single Age
IOS1706_23	427	10.30	3.67000	0.22000	0.24500	0.01000	0.86091	1562.0	46.0	1411.0	52.0	1765	60	1765.0	60.0	20.1	Rim
IOS1706_23	428	4.28	6.08000	0.14000	0.34740	0.00670	0.75767	1983.0	21.0	1920.0	32.0	2051	27	2051.0	27.0	6.4	Core

Table A3, con’t.

IOS1706_24	882	17.20	0.53400	0.02000	0.06660	0.00240	0.72759	434.0	13.0	415.0	15.0	530	65	415.0	15.0	4.4	Rim
IOS1706_24	553	32.10	0.86400	0.01500	0.10280	0.00150	0.69537	631.1	8.2	630.6	9.0	631	28	630.6	9.0	0.1	Core
IOS1706_25	768	16.90	0.94500	0.01600	0.10930	0.00180	0.65038	674.7	8.4	669.0	10.0	693	29	669.0	10.0	0.8	Single Age
IOS1706_26	435.9	0.80	0.88100	0.01400	0.10350	0.00130	0.61159	640.6	7.5	634.6	7.9	654	28	634.6	7.9	0.9	Single Age
IOS1706_27	112.3	1.96	0.80100	0.02000	0.09670	0.00120	0.20871	597.0	12.0	594.7	7.1	590	55	594.7	7.1	0.4	Single Age
IOS1706_28	329.7	3.01	0.89300	0.02000	0.09690	0.00170	0.57856	648.0	11.0	595.7	9.8	823	34	595.7	9.8	8.1	Single Age
IOS1706_29	107.1	0.26	0.82300	0.02300	0.09800	0.00180	0.54310	607.0	13.0	603.0	10.0	610	52	603.0	10.0	0.7	Single Age
IOS1706_30	331.8	2.40	0.95700	0.01400	0.11050	0.00130	0.61333	681.8	7.5	675.7	7.3	706	27	675.7	7.3	0.9	Single Age
IOS1706_31	1881	29.70	0.94900	0.01400	0.11020	0.00180	0.68298	677.0	7.3	673.0	11.0	695	27	673.0	11.0	0.6	Single Age
IOS1706_32	971	4.82	1.21700	0.03000	0.12600	0.00280	0.75382	806.0	14.0	764.0	16.0	917	35	764.0	16.0	5.2	Single Age
IOS1706_33	131.7	1.13	0.84100	0.03400	0.09860	0.00300	0.59183	618.0	19.0	606.0	18.0	640	59	606.0	18.0	1.9	Single Age
IOS1706_34	210.8	1.30	1.10100	0.02000	0.12210	0.00180	0.61125	752.1	9.5	742.0	10.0	773	30	742.0	10.0	1.3	Single Age
IOS1706_35	139.8	2.02	0.93100	0.01700	0.10620	0.00140	0.45228	666.6	9.0	650.2	8.0	726	37	650.2	8.0	2.5	Single Age
IOS1706_36	146	1.00	1.21900	0.02700	0.12820	0.00180	0.24049	807.0	12.0	777.0	10.0	882	47	777.0	10.0	3.7	Single Age
IOS1706_37	192	1.16	1.29500	0.02900	0.13630	0.00260	0.68611	841.0	13.0	823.0	15.0	891	34	823.0	15.0	2.1	Single Age
IOS1706_38	220	1.53	1.57500	0.02800	0.15880	0.00240	0.50666	960.0	11.0	950.0	14.0	974	34	950.0	14.0	1.0	Single Age
IOS1706_39	160.6	1.22	1.11900	0.01900	0.11960	0.00140	0.45644	763.7	9.8	728.3	8.3	872	34	728.3	8.3	4.6	Single Age
IOS1706_40	631	7.60	0.46400	0.04300	0.05910	0.00600	0.83946	386.0	29.0	370.0	36.0	490	120	370.0	36.0	4.1	Rim
IOS1706_40	113.6	0.99	0.79600	0.01900	0.09530	0.00160	0.50096	592.0	11.0	586.4	9.2	605	46	586.4	9.2	0.9	Core
IOS1706_41	431.3	0.58	0.79200	0.01200	0.09420	0.00110	0.57270	591.2	6.8	580.2	6.7	628	28	580.2	6.7	1.9	Single Age
IOS1706_42	789	0.81	0.83400	0.01500	0.09900	0.00170	0.64979	614.5	8.1	608.3	9.9	634	33	608.3	9.9	1.0	Single Age
IOS1706_43	750	60.20	0.89800	0.05600	0.10720	0.00650	0.65814	649.0	30.0	656.0	38.0	620	110	656.0	38.0	1.1	Rim
IOS1706_43	85.7	0.86	7.62000	0.27000	0.36500	0.01300	0.78198	2184.0	32.0	2005.0	59.0	2352	41	2352.0	41.0	14.8	Core
IOS1706_45	394	3.91	7.34000	0.17000	0.40000	0.00800	0.82764	2148.0	21.0	2166.0	37.0	2135	22	2135.0	22.0	1.5	Single Age
IOS1706_46	95	0.90	0.97800	0.02600	0.11130	0.00200	0.48418	690.0	13.0	680.0	11.0	710	51	680.0	11.0	1.4	Single Age
IOS1706_47	289	2.96	0.94300	0.01800	0.11060	0.00170	0.67594	674.2	9.6	677.2	9.7	668	32	677.2	9.7	0.4	Single Age

Table A3, con’t.

IOS1706_48	341.5	5.34	0.85200	0.01700	0.09840	0.00150	0.52642	624.4	9.1	604.7	8.9	679	37	604.7	8.9	3.2	Single Age
IOS1706_49	164	5.62	6.65000	0.17000	0.37160	0.00910	0.80913	2061.0	22.0	2034.0	43.0	2083	25	2083.0	25.0	2.4	Single Age
IOS1706_50	43.1	1.51	1.25700	0.03900	0.13510	0.00250	0.30782	822.0	18.0	816.0	14.0	830	64	816.0	14.0	0.7	Single Age
IOS1706_51	733	12.21	11.54000	0.21000	0.45550	0.00770	0.77757	2564.0	17.0	2417.0	34.0	2677	20	2677.0	20.0	9.7	Single Age
IOS1706_52	163.3	1.25	0.84100	0.01900	0.10060	0.00170	0.51073	618.0	11.0	618.0	10.0	614	42	618.0	10.0	0.0	Single Age
IOS1706_53	291	1.70	0.66900	0.03300	0.07880	0.00300	0.52945	519.0	20.0	489.0	18.0	643	98	489.0	18.0	5.8	Rim
IOS1706_53	130.3	0.97	0.82500	0.01800	0.09860	0.00170	0.30323	611.0	10.0	605.9	9.9	620	51	605.9	9.9	0.8	Core
IOS1706_54	364	0.43	1.48300	0.03400	0.14940	0.00310	0.71201	921.0	14.0	897.0	17.0	975	35	897.0	17.0	2.6	Single Age
IOS1706_55	241.6	0.98	0.88400	0.02300	0.10250	0.00210	0.53831	642.0	12.0	629.0	12.0	679	47	629.0	12.0	2.0	Single Age
IOS1706_56	152.6	1.48	11.99000	0.22000	0.47630	0.00790	0.71664	2599.0	17.0	2508.0	34.0	2669	22	2669.0	22.0	6.0	Single Age
IOS1706_57	309	4.81	0.84700	0.01900	0.09940	0.00190	0.67168	622.0	10.0	610.0	11.0	657	38	610.0	11.0	1.9	Single Age
IOS1706_59	508	11.16	7.40000	0.17000	0.39320	0.00950	0.67817	2158.0	21.0	2135.0	44.0	2175	33	2175.0	33.0	1.8	Single Age
IOS1706_60	71	11.00	0.89200	0.04200	0.10710	0.00300	0.43210	640.0	23.0	655.0	18.0	552	86	655.0	18.0	2.3	Rim
IOS1706_60	20.7	7.60	3.12000	0.34000	0.19600	0.01300	0.86370	1421.0	86.0	1150.0	69.0	1840	120	DISC	DISC	19.1	Core
IOS1706_61	402	1.12	0.78500	0.02400	0.09510	0.00240	0.48252	586.0	13.0	585.0	14.0	589	55	585.0	14.0	0.2	Single Age
IOS1706_62	113.5	1.04	12.61000	0.14000	0.50220	0.00590	0.61265	2650.0	10.0	2622.0	25.0	2667	17	2667.0	17.0	1.7	Single Age
IOS1706_63	612	14.00	0.60400	0.03700	0.07490	0.00440	0.53763	478.0	23.0	465.0	26.0	530	120	465.0	26.0	2.7	Rim
IOS1706_63	135	2.90	0.94400	0.02600	0.10800	0.00200	0.33005	673.0	13.0	661.0	12.0	691	58	661.0	12.0	1.8	Core
IOS1706_64	97	1.23	1.07900	0.02900	0.12300	0.00200	0.47158	742.0	14.0	748.0	11.0	710	51	748.0	11.0	0.8	Single Age
IOS1706_65	113.2	1.74	1.64400	0.04200	0.15980	0.00290	0.31560	983.0	16.0	955.0	16.0	1037	42	955.0	16.0	2.8	Single Age
IOS1706_66	71.8	0.79	0.77100	0.02200	0.09400	0.00120	0.10449	580.0	13.0	579.1	6.8	562	66	579.1	6.8	0.2	Single Age
IOS1706_67	552	1.36	7.27000	0.11000	0.37190	0.00630	0.74159	2142.0	14.0	2037.0	30.0	2242	21	2242.0	21.0	9.1	Single Age
IOS1706_68	228	0.70	25.77000	0.37000	0.67680	0.00870	0.73995	3335.0	14.0	3330.0	33.0	3334	15	3334.0	15.0	0.1	Single Age
IOS1706_69	144.8	1.38	1.84000	0.12000	0.14380	0.00230	0.52279	1039.0	41.0	866.0	13.0	1360	110	DISC	DISC	16.7	Single Age
IOS1706_70	450	3.60	12.14000	0.21000	0.45370	0.00670	0.82730	2611.0	16.0	2410.0	30.0	2770	16	2770.0	16.0	13.0	Single Age
IOS1706_71	1350	5.01	1.05000	0.01800	0.11250	0.00180	0.64292	727.5	9.1	687.0	11.0	853	29	687.0	11.0	5.6	Single Age

Table A3, con't.

IOS1706_72	80.5	0.92	0.81000	0.02400	0.09830	0.00210	0.40808	599.0	13.0	604.0	12.0	564	61	604.0	12.0	0.8	Single Age
IOS1706_73	92.2	1.35	1.61600	0.03200	0.16480	0.00210	0.06663	974.0	12.0	983.0	12.0	940	42	983.0	12.0	0.9	Single Age
IOS1706_75	634	4.59	1.00100	0.01600	0.11280	0.00130	0.43754	703.4	8.0	689.0	7.4	745	30	689.0	7.4	2.0	Single Age
IOS1706_76	1970	90.00	0.38600	0.02000	0.05250	0.00180	0.85844	331.0	15.0	330.0	11.0	315	70	330.0	11.0	0.3	Rim
IOS1706_76	492	1.16	0.97700	0.01700	0.11220	0.00160	0.61781	691.0	8.6	685.6	9.3	708	30	685.6	9.3	0.8	Core
IOS1706_77	187	2.68	0.85000	0.01800	0.09240	0.00160	0.48621	623.0	10.0	569.4	9.7	809	43	569.4	9.7	8.6	Single Age
IOS1706_78	38.1	2.22	1.17000	0.03900	0.13220	0.00280	0.41045	783.0	19.0	799.0	16.0	707	69	799.0	16.0	2.0	Single Age
IOS1706_79	345	2.92	0.96800	0.01600	0.11030	0.00120	0.57734	686.1	8.2	674.4	7.1	719	29	674.4	7.1	1.7	Single Age
IOS1706_80	154.9	1.55	1.38200	0.02700	0.14500	0.00180	0.43508	879.0	11.0	872.0	10.0	886	36	872.0	10.0	0.8	Single Age
IOS1706_81	10.45	-2.70	47.90000	1.90000	0.41900	0.02000	0.85155	3949.0	43.0	2249.0	90.0	5035	45	DISC	DISC	55.3	Single Age
IOS1706_82	101.5	1.60	10.91000	0.19000	0.46490	0.00630	0.72346	2512.0	16.0	2468.0	27.0	2548	21	2548.0	21.0	3.1	Single Age
IOS1706_83	560	6.44	0.89800	0.01200	0.10490	0.00150	0.57117	649.8	6.6	642.6	8.5	668	28	642.6	8.5	1.1	Single Age
IOS1706_84	149	1.49	1.60800	0.04200	0.16340	0.00280	0.44722	975.0	15.0	975.0	16.0	960	47	975.0	16.0	0.0	Single Age
IOS1706_85	1800	12.30	0.85400	0.01300	0.09780	0.00120	0.68503	626.1	6.9	601.4	7.1	712	23	601.4	7.1	3.9	Single Age
IOS1706_86	201	0.88	1.44000	0.11000	0.12090	0.00200	0.60674	893.0	42.0	735.0	11.0	1270	120	DISC	DISC	17.7	Single Age
IOS1706_88	140.6	1.60	7.57000	0.15000	0.34640	0.00540	0.86288	2176.0	18.0	1915.0	26.0	2429	18	2429.0	18.0	21.2	Single Age
IOS1706_89	1078	1.34	1.18400	0.01600	0.12390	0.00120	0.49631	792.4	7.3	752.6	7.0	897	24	752.6	7.0	5.0	Single Age
IOS1706_90	55.07	1.53	0.79000	0.03600	0.08710	0.00180	0.30102	588.0	21.0	538.0	11.0	740	95	538.0	11.0	8.5	Single Age
IOS1706_91	463	2.26	0.78800	0.01400	0.09330	0.00140	0.58169	588.9	8.0	574.8	8.0	637	32	574.8	8.0	2.4	Single Age
IOS1706_92	158.6	1.72	0.87800	0.01800	0.10350	0.00140	0.30527	638.5	9.5	634.6	7.9	638	44	634.6	7.9	0.6	Single Age
IOS1706_93	1980	6.62	0.68500	0.01500	0.08200	0.00170	0.81210	528.1	9.2	508.0	10.0	600	27	508.0	10.0	3.8	Single Age
IOS1706_94	103.4	1.41	1.85000	0.22000	0.11620	0.00280	0.79781	1008.0	77.0	708.0	16.0	1600	190	DISC	DISC	29.8	Single Age
IOS1706_95	464	3.15	1.13300	0.02100	0.12420	0.00220	0.80854	769.0	10.0	755.0	13.0	802	23	755.0	13.0	1.8	Single Age
IOS1706_96	362.1	2.03	10.26000	0.25000	0.43650	0.00870	0.71022	2458.0	24.0	2332.0	39.0	2562	29	2562.0	29.0	9.0	Single Age
IOS1706_97	1720	63.00	0.86200	0.04400	0.10440	0.00540	0.54405	630.0	24.0	640.0	31.0	590	120	640.0	31.0	1.6	Rim

Table A3, con't.

IOS1706_97	211.5	1.71	1.63900	0.02900	0.16570	0.00250	0.58543	983.0	11.0	988.0	14.0	961	31	988.0	14.0	0.5	Core
IOS1706_98	262.7	2.35	1.33000	0.03100	0.13290	0.00160	0.55222	858.0	14.0	804.4	8.8	995	40	804.4	8.8	6.2	Single Age
IOS1706_99	110.5	1.57	1.58000	0.14000	0.13350	0.00320	0.56233	945.0	52.0	807.0	18.0	1190	130	DISC	DISC	14.6	Single Age
IOS1706_101	229	0.84	1.27600	0.02700	0.13820	0.00210	0.61764	833.0	12.0	834.0	12.0	823	34	834.0	12.0	0.1	Single Age
IOS1706_102	949	1.05	1.32300	0.06700	0.13140	0.00500	0.89567	846.0	26.0	794.0	28.0	976	44	794.0	28.0	6.1	Single Age
IOS1706_103	462	5.15	5.22000	0.08400	0.32000	0.00480	0.71537	1853.0	14.0	1788.0	23.0	1926	21	1926.0	21.0	7.2	Single Age
IOS1706_104	234	1.01	4.48200	0.08300	0.29730	0.00440	0.55431	1725.0	15.0	1677.0	22.0	1785	29	1785.0	29.0	6.1	Single Age
IOS1706_105	184.1	1.56	10.33000	0.16000	0.45390	0.00630	0.64900	2462.0	15.0	2415.0	29.0	2496	21	2496.0	21.0	3.2	Single Age
IOS1706_106	116.9	0.42	1.08500	0.04400	0.09710	0.00190	0.34347	738.0	22.0	597.0	11.0	1155	80	DISC	DISC	19.1	Single Age
IOS1706_107	134.8	1.45	1.18100	0.03300	0.13010	0.00300	0.68779	789.0	15.0	788.0	17.0	774	51	788.0	17.0	0.1	Single Age
IOS1706_108	403.9	1.15	0.85900	0.01400	0.10130	0.00120	0.44652	629.6	7.2	621.9	7.1	645	31	621.9	7.1	1.2	Single Age
IOS1706_109	120.1	2.07	0.85800	0.02000	0.10160	0.00150	0.45712	628.0	11.0	623.3	8.9	624	47	623.3	8.9	0.7	Single Age
IOS1706_110	534	3.02	1.10700	0.03800	0.11770	0.00330	0.61431	753.0	18.0	716.0	19.0	847	55	716.0	19.0	4.9	Single Age
IOS1706_111	177.4	2.09	1.20400	0.03300	0.12960	0.00290	0.29895	801.0	15.0	785.0	17.0	830	64	785.0	17.0	2.0	Single Age
IOS1706_113	270.5	2.08	1.63300	0.05600	0.14720	0.00250	0.43762	975.0	20.0	885.0	14.0	1160	53	885.0	14.0	9.2	Single Age
IOS1706_114	1449	69.60	0.96400	0.01200	0.11100	0.00120	0.58162	684.4	6.3	678.5	6.8	698	22	678.5	6.8	0.9	Single Age
IOS1706_115	524	2.79	1.47000	0.04500	0.14950	0.00390	0.72084	919.0	19.0	897.0	22.0	965	46	897.0	22.0	2.4	Single Age
IOS1706_116	2775	23.80	0.80900	0.01200	0.09830	0.00150	0.67048	601.2	6.5	604.5	9.1	586	26	604.5	9.1	0.5	Single Age
IOS1706_117	532	3.65	0.84000	0.02200	0.09110	0.00180	0.66589	617.0	12.0	562.0	11.0	830	36	562.0	11.0	8.9	Single Age
IOS1706_118	231	1.63	0.79500	0.01900	0.09740	0.00180	0.65119	592.0	11.0	599.0	11.0	552	41	599.0	11.0	1.2	Single Age
IOS1706_119	378	6.77	0.80000	0.01900	0.09420	0.00190	0.54546	595.0	11.0	580.0	11.0	646	43	580.0	11.0	2.5	Single Age
IOS1706_120	170	16.20	0.96000	0.03600	0.11490	0.00310	0.54024	680.0	19.0	700.0	18.0	584	69	700.0	18.0	2.9	Single Age
IOS1706_121	206	2.16	1.01600	0.04300	0.11390	0.00400	0.78531	708.0	22.0	695.0	23.0	745	53	695.0	23.0	1.8	Single Age
IOS1706_122	124.7	1.66	1.33500	0.02400	0.14210	0.00170	0.43322	859.0	11.0	856.5	9.9	857	37	856.5	9.9	0.3	Single Age
IOS1706_123	184	1.12	1.06700	0.02300	0.11360	0.00150	0.44031	736.0	11.0	693.7	8.7	858	43	693.7	8.7	5.7	Single Age

Table A3, con't.

IOS1706_124	60.8	1.17	1.15100	0.07400	0.11800	0.00290	0.29551	773.0	35.0	719.0	17.0	880	130	719.0	17.0	7.0	Single Age
IOS1706_125	184	3.18	0.76900	0.01700	0.09250	0.00110	0.44204	577.4	9.7	570.1	6.6	587	42	570.1	6.6	1.3	Single Age
IOS1706_126	192	2.55	1.10600	0.01900	0.12260	0.00160	0.50969	754.5	9.3	745.0	9.4	780	35	745.0	9.4	1.3	Single Age
IOS1706_127	335.1	3.25	25.55000	0.63000	0.66200	0.01300	0.80330	3326.0	25.0	3274.0	49.0	3358	24	3358.0	24.0	2.5	Single Age
IOS1706_128	246.5	1.75	0.92500	0.01500	0.10770	0.00130	0.55549	664.0	8.0	659.1	7.3	673	30	659.1	7.3	0.7	Single Age
IOS1706_129	106.5	0.97	12.75000	0.22000	0.49310	0.00900	0.70182	2660.0	16.0	2581.0	39.0	2713	23	2713.0	23.0	4.9	Single Age
IOS1706_130	244	0.90	0.80400	0.01400	0.09700	0.00130	0.53951	597.8	8.2	596.6	7.4	589	34	596.6	7.4	0.2	Single Age
IOS1706_131	85.4	1.96	1.56600	0.04400	0.15170	0.00300	0.49526	954.0	17.0	910.0	17.0	1045	52	910.0	17.0	4.6	Single Age
IOS1706_132	245	3.49	1.13900	0.02300	0.12780	0.00210	0.52257	771.0	11.0	775.0	12.0	750	40	775.0	12.0	0.5	Single Age
IOS1706_133	1910	1.70	1.59700	0.08200	0.12510	0.00390	0.58267	969.0	33.0	760.0	22.0	1465	78	DISC	DISC	21.6	Single Age
IOS1706_134	309	1.90	0.77400	0.01600	0.09460	0.00150	0.36753	581.2	8.9	582.5	8.8	575	46	582.5	8.8	0.2	Single Age
IOS1706_135	282.2	1.14	1.40600	0.02100	0.14740	0.00190	0.58812	891.0	9.0	886.0	11.0	897	26	886.0	11.0	0.6	Single Age
IOS1706_136	100.4	1.59	1.57200	0.02900	0.15980	0.00220	0.48267	957.0	11.0	956.0	12.0	949	35	956.0	12.0	0.1	Single Age
IOS1706_138	772	7.74	0.90700	0.01200	0.10560	0.00130	0.54503	654.7	6.2	646.8	7.5	673	27	646.8	7.5	1.2	Single Age
IOS1706_139	158	2.32	1.82500	0.06100	0.15660	0.00200	0.39348	1048.0	21.0	938.0	11.0	1263	57	DISC	DISC	10.5	Single Age
IOS1706_140	1222	53.00	0.79600	0.04800	0.09370	0.00560	0.57603	593.0	27.0	577.0	33.0	650	110	577.0	33.0	2.7	Rim
IOS1706_140	398.3	3.69	1.27100	0.02500	0.12400	0.00210	0.66856	831.0	11.0	753.0	12.0	1037	29	753.0	12.0	9.4	Core

SAMPLE NAME: IOS1716

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1716_1	41.8	1.01	0.34600	0.02400	0.04650	0.00120	0.05604	298.0	18.0	293.0	7.6	310	130	293.0	7.6	1.7	Single Age
IOS1716_2	1320	97.00	0.38800	0.01300	0.05230	0.00130	0.83673	332.6	9.5	328.5	8.2	356	43	328.5	8.2	1.2	Rim
IOS1716_2	382	1.59	0.81200	0.02000	0.09880	0.00150	0.54694	602.0	11.0	607.5	8.5	577	44	607.5	8.5	0.9	Core
IOS1716_3	776	46.10	0.40300	0.01900	0.05290	0.00210	0.46981	343.0	13.0	332.0	13.0	413	96	332.0	13.0	3.2	Rim

Table A3, con't.

IOS1716_3	460	3.55	0.84100	0.01800	0.09950	0.00160	0.58782	618.4	9.7	611.3	9.3	641	37	611.3	9.3	1.1	Core
IOS1716_4	259	9.30	0.37100	0.02000	0.05090	0.00200	0.50549	318.0	15.0	320.0	12.0	299	96	320.0	12.0	0.6	Rim
IOS1716_4	275	11.43	1.23900	0.07800	0.10100	0.00460	0.36167	814.0	36.0	620.0	27.0	1380	120	DISC	DISC	23.8	Rim
IOS1716_4	250	9.80	1.20000	0.19000	0.09160	0.00680	0.56171	796.0	87.0	565.0	40.0	1500	250	DISC	DISC	29.0	Core
IOS1716_5	264	37.10	0.37200	0.01300	0.04980	0.00130	0.45629	319.9	9.8	313.4	7.7	358	70	313.4	7.7	2.0	Single Age
IOS1716_6	69.6	3.32	0.38100	0.02400	0.05340	0.00240	0.47979	324.0	18.0	335.0	15.0	240	110	335.0	15.0	3.4	Single Age
IOS1716_7	381	5.33	6.42000	0.21000	0.36500	0.01200	0.75014	2030.0	28.0	2002.0	59.0	2066	41	2066.0	41.0	3.1	Single Age
IOS1716_8	592	31.50	0.37300	0.01500	0.05080	0.00140	0.29562	324.0	10.0	319.2	8.8	334	90	319.2	8.8	1.5	Rim
IOS1716_8	117.3	8.87	0.66100	0.04100	0.07820	0.00280	0.39181	512.0	25.0	485.0	17.0	610	130	485.0	17.0	5.3	Core
IOS1716_9	78	3.11	0.38900	0.02200	0.05160	0.00180	0.18982	330.0	16.0	324.0	11.0	370	120	324.0	11.0	1.8	Single Age
IOS1716_10	621	15.41	0.35790	0.00790	0.05099	0.00088	0.43497	310.0	5.9	320.5	5.4	243	46	320.5	5.4	3.4	Single Age
IOS1716_11	23.3	1.03	0.38900	0.03800	0.04930	0.00180	0.16917	324.0	27.0	310.0	11.0	370	180	310.0	11.0	4.3	Single Age
IOS1716_12	379	48.00	0.35100	0.01500	0.05040	0.00150	0.46619	305.0	11.0	317.0	9.0	221	84	317.0	9.0	3.9	Rim
IOS1716_12	118.6	1.31	1.49600	0.07600	0.15070	0.00450	0.64744	922.0	30.0	904.0	25.0	947	76	904.0	25.0	2.0	Core
IOS1716_13	529	16.60	0.39000	0.02300	0.05180	0.00170	0.60033	331.0	16.0	325.0	11.0	354	94	325.0	11.0	1.8	Rim
IOS1716_13	393	2.76	2.81000	0.18000	0.14510	0.00600	0.76311	1351.0	47.0	873.0	33.0	2198	75	DISC	DISC	35.4	Core
IOS1716_14	173	35.80	0.36200	0.01400	0.04930	0.00100	0.32723	314.0	11.0	310.0	6.2	336	81	310.0	6.2	1.3	Single Age
IOS1716_15	341.6	80.40	0.35800	0.01400	0.05080	0.00140	0.27283	310.0	10.0	319.2	8.4	253	82	319.2	8.4	3.0	Rim
IOS1716_15	212	6.83	0.54600	0.03500	0.06900	0.00320	0.70304	439.0	23.0	430.0	19.0	481	94	430.0	19.0	2.1	Core
IOS1716_16	1330	78.00	0.37800	0.01300	0.05120	0.00130	0.49708	324.9	9.7	321.5	8.1	353	67	321.5	8.1	1.0	Rim
IOS1716_16	59.7	1.84	11.36000	0.60000	0.46400	0.02300	0.71992	2546.0	50.0	2450.0	100.0	2635	63	2635.0	63.0	7.0	Core
IOS1716_17	382	39.50	0.37300	0.01100	0.05237	0.00094	0.44435	320.8	7.8	329.0	5.8	272	56	329.0	5.8	2.6	Single Age
IOS1716_18	61	2.44	1.06300	0.05300	0.11680	0.00460	0.44783	730.0	27.0	710.0	26.0	790	100	710.0	26.0	2.7	Single Age
IOS1716_19	397	4.43	0.89400	0.02600	0.10790	0.00210	0.50707	646.0	14.0	660.0	12.0	599	57	660.0	12.0	2.2	Single Age
IOS1716_20	579	196.00	0.35800	0.02400	0.04900	0.00260	0.40520	310.0	18.0	308.0	16.0	370	140	308.0	16.0	0.6	Rim
IOS1716_20	222	16.20	1.06000	0.06000	0.12300	0.00670	0.64084	728.0	30.0	746.0	38.0	690	100	746.0	38.0	2.5	Core
IOS1716_21	119	2.35	0.36300	0.01700	0.05012	0.00097	0.12110	313.0	13.0	315.2	6.0	298	93	315.2	6.0	0.7	Single Age

Table A3, con't.

IOS1716_22	83.2	0.73	0.56400	0.03500	0.07130	0.00240	0.31547	449.0	23.0	444.0	14.0	490	130	444.0	14.0	1.1	Single Age
IOS1716_23	310	14.40	0.38400	0.01800	0.05220	0.00180	0.64741	327.0	13.0	328.0	11.0	315	75	328.0	11.0	0.3	Single Age
IOS1716_24	739	37.50	0.36300	0.02600	0.04990	0.00260	0.65885	313.0	19.0	314.0	16.0	360	130	314.0	16.0	0.3	Rim
IOS1716_24	61.7	1.55	1.01900	0.07200	0.11760	0.00480	0.27833	708.0	35.0	716.0	28.0	670	140	716.0	28.0	1.1	Core
IOS1716_25	336	58.40	0.35600	0.01400	0.04970	0.00120	0.50618	307.0	10.0	312.6	7.7	269	71	312.6	7.7	1.8	Single Age
IOS1716_26	851	14.60	0.38500	0.01200	0.05390	0.00120	0.53866	329.9	9.0	338.2	7.3	293	64	338.2	7.3	2.5	Rim
IOS1716_26	340.2	1.77	0.64900	0.02400	0.08240	0.00290	0.66194	510.0	16.0	510.0	17.0	519	70	510.0	17.0	0.0	Core
IOS1716_27	536	20.20	0.92900	0.04500	0.09260	0.00470	0.78035	663.0	24.0	570.0	28.0	1016	66	DISC	DISC	14.0	Single Age
IOS1716_28	259.8	1.62	1.51600	0.04600	0.15550	0.00250	0.62439	933.0	18.0	931.0	14.0	948	46	931.0	14.0	0.2	Single Age
IOS1716_29	138	7.50	0.35900	0.01500	0.05005	0.00099	0.29407	313.0	12.0	314.7	6.1	304	82	314.7	6.1	0.5	Single Age
IOS1716_30	727	10.47	0.36040	0.00870	0.04990	0.00100	0.52010	311.9	6.4	313.6	6.1	313	49	313.6	6.1	0.5	Single Age
IOS1716_31	436	33.60	0.36900	0.01700	0.05010	0.00180	0.60462	318.0	13.0	315.0	11.0	342	83	315.0	11.0	0.9	Rim
IOS1716_31	396	19.30	0.47100	0.04000	0.06250	0.00450	0.76039	388.0	27.0	390.0	27.0	380	120	390.0	27.0	0.5	Core
IOS1716_32	105.1	3.08	0.35600	0.01900	0.05050	0.00150	0.26913	308.0	14.0	317.1	9.3	250	100	317.1	9.3	3.0	Single Age
IOS1716_33	336	8.23	0.35900	0.02000	0.05330	0.00230	0.61121	311.0	14.0	335.0	14.0	190	100	335.0	14.0	7.7	Rim
IOS1716_33	115.3	1.55	1.17400	0.06100	0.12850	0.00430	0.17350	787.0	29.0	779.0	25.0	810	120	779.0	25.0	1.0	Core
IOS1716_34	157	2.74	0.35600	0.01500	0.05030	0.00120	0.44254	307.0	11.0	316.1	7.1	245	77	316.1	7.1	3.0	Single Age
IOS1716_35	635	5.63	0.39200	0.01100	0.05450	0.00110	0.51105	334.4	7.7	342.0	6.6	292	51	342.0	6.6	2.3	Single Age
IOS1716_36	558	25.40	0.38100	0.01900	0.05050	0.00140	0.60959	327.0	14.0	317.5	8.8	390	88	317.5	8.8	2.9	Rim
IOS1716_36	208	3.19	0.97900	0.03900	0.11380	0.00340	0.57439	690.0	20.0	695.0	19.0	681	74	695.0	19.0	0.7	Core
IOS1716_37	1040	12.66	0.43200	0.02300	0.05610	0.00200	0.33083	362.0	16.0	352.0	12.0	417	74	352.0	12.0	2.8	Single Age
IOS1716_38	307	16.00	0.39000	0.01100	0.05247	0.00079	0.29756	333.2	8.1	329.6	4.8	356	59	329.6	4.8	1.1	Single Age
IOS1716_39	979	6.50	0.37500	0.01300	0.05200	0.00130	0.64406	322.8	9.5	326.4	7.7	302	59	326.4	7.7	1.1	Rim
IOS1716_39	302	2.74	0.65700	0.05300	0.08320	0.00360	0.62435	508.0	32.0	515.0	21.0	450	130	515.0	21.0	1.4	Core
IOS1716_40	527	37.20	0.44000	0.02900	0.06120	0.00290	0.59727	372.0	22.0	382.0	18.0	310	110	382.0	18.0	2.7	Rim
IOS1716_40	31.5	1.99	1.48000	0.12000	0.15840	0.00610	0.16832	922.0	45.0	947.0	34.0	800	180	947.0	34.0	2.7	Core
IOS1716_41	109	5.04	0.34500	0.01700	0.04680	0.00120	0.18521	299.0	13.0	294.7	7.4	340	110	294.7	7.4	1.4	Single Age

Table A3, con’t.

IOS1716_42	844	28.60	0.37100	0.01000	0.04990	0.00110	0.56881	320.6	7.6	313.5	6.6	369	51	313.5	6.6	2.2	Single Age
IOS1716_43	612	45.00	0.41000	0.03100	0.05480	0.00180	0.08597	348.0	22.0	344.0	11.0	370	170	344.0	11.0	1.1	Rim
IOS1716_43	526	3.74	4.69000	0.77000	0.20700	0.01600	0.57374	1730.0	120.0	1209.0	84.0	2560	260	DISC	DISC	52.8	Core
IOS1716_44	391.2	2.25	2.56000	0.06200	0.14080	0.00290	0.62313	1287.0	18.0	849.0	17.0	2134	32	DISC	DISC	34.0	Single Age
IOS1716_45	287	46.70	0.37100	0.01500	0.04990	0.00110	0.49024	318.0	11.0	313.5	7.0	336	67	313.5	7.0	1.4	Single Age
IOS1716_46	113	2.15	0.42000	0.02700	0.05580	0.00170	0.38310	351.0	19.0	350.0	10.0	360	120	350.0	10.0	0.3	Single Age
IOS1716_47	641	20.10	0.37430	0.00920	0.05145	0.00072	0.60325	322.9	7.0	323.4	4.4	317	46	323.4	4.4	0.2	Single Age
IOS1716_48	183	1.40	0.37000	0.03800	0.05340	0.00240	0.25387	317.0	28.0	335.0	14.0	210	200	335.0	14.0	5.7	Rim
IOS1716_48	121.1	0.73	0.75100	0.04400	0.09230	0.00400	0.68031	563.0	25.0	568.0	23.0	533	90	568.0	23.0	0.9	Core
IOS1716_49	267	12.50	0.37800	0.02500	0.05280	0.00270	0.35770	324.0	18.0	331.0	17.0	290	130	331.0	17.0	2.2	Rim
IOS1716_49	1240	23.40	5.00000	0.34000	0.30800	0.01700	0.78347	1804.0	57.0	1726.0	84.0	1893	67	1893.0	67.0	8.8	Core
IOS1716_50	76.2	1.39	0.40200	0.03000	0.05630	0.00190	0.04628	338.0	22.0	353.0	11.0	260	160	353.0	11.0	4.4	Rim
IOS1716_50	663	60.00	0.63600	0.03100	0.08080	0.00300	0.63632	498.0	19.0	501.0	18.0	486	81	501.0	18.0	0.6	Core
IOS1716_51	733	41.80	0.38000	0.01100	0.05050	0.00100	0.50595	326.0	8.3	317.8	6.4	383	57	317.8	6.4	2.5	Single Age
IOS1716_52	101	1.68	0.43500	0.02600	0.05680	0.00200	0.30620	362.0	18.0	356.0	12.0	390	120	356.0	12.0	1.7	Rim
IOS1716_52	214	5.73	0.70600	0.03100	0.08220	0.00260	0.33745	542.0	18.0	509.0	16.0	660	110	509.0	16.0	6.1	Core
IOS1716_53	390	50.40	0.36370	0.00910	0.05142	0.00064	0.23769	315.3	6.6	323.2	3.9	252	52	323.2	3.9	2.5	Single Age
IOS1716_54	857	76.00	0.40900	0.02500	0.05320	0.00290	0.47757	348.0	18.0	334.0	17.0	440	130	334.0	17.0	4.0	Rim
IOS1716_54	332	1.43	1.67400	0.04100	0.16960	0.00320	0.51806	996.0	15.0	1009.0	17.0	963	45	1009.0	17.0	1.3	Core
IOS1716_55	361	94.00	0.37100	0.01300	0.05099	0.00092	0.41389	319.3	9.8	320.5	5.7	319	74	320.5	5.7	0.4	Single Age
IOS1716_56	54.1	1.62	0.38600	0.02400	0.04770	0.00130	0.20775	326.0	17.0	300.2	8.2	490	120	300.2	8.2	7.9	Single Age
IOS1716_57	50.1	0.69	0.40300	0.02900	0.05370	0.00170	0.28720	336.0	21.0	337.0	10.0	310	130	337.0	10.0	0.3	Single Age
IOS1716_58	99.6	0.71	0.35800	0.01600	0.04994	0.00091	0.32090	308.0	12.0	314.1	5.6	263	87	314.1	5.6	2.0	Single Age
IOS1716_59	137	0.84	4.32000	0.14000	0.28460	0.00840	0.65465	1691.0	26.0	1612.0	42.0	1807	42	1807.0	42.0	10.8	Single Age
IOS1716_60	54.9	1.85	0.38700	0.02200	0.04930	0.00140	0.24358	327.0	16.0	310.3	8.4	440	120	310.3	8.4	5.1	Single Age
IOS1716_61	73.9	1.71	0.38500	0.02100	0.05310	0.00120	0.19610	326.0	16.0	333.1	7.2	290	110	333.1	7.2	2.2	Single Age
IOS1716_62	112	4.97	0.39800	0.02000	0.05380	0.00130	0.21940	337.0	14.0	337.5	8.0	350	100	337.5	8.0	0.1	Single Age

Table A3, con't.

IOS1716_63	568	58.70	0.36400	0.01000	0.05010	0.00080	0.51393	314.2	7.4	315.1	4.9	305	49	315.1	4.9	0.3	Single Age
IOS1716_64	88.8	0.74	4.34000	0.12000	0.28680	0.00680	0.48051	1697.0	24.0	1624.0	34.0	1789	50	1789.0	50.0	9.2	Single Age
IOS1716_65	1183	30.90	0.35870	0.00670	0.04970	0.00067	0.47825	310.8	5.0	312.6	4.1	294	38	312.6	4.1	0.6	Single Age
IOS1716_66	852	87.00	0.37470	0.00770	0.05159	0.00074	0.45628	322.5	5.7	324.2	4.6	318	42	324.2	4.6	0.5	Single Age
IOS1716_67	489	6.67	0.35400	0.01700	0.04690	0.00200	0.53131	307.0	13.0	296.0	12.0	395	95	296.0	12.0	3.6	Rim
IOS1716_67	530	1.62	1.54900	0.07200	0.15430	0.00480	0.73331	947.0	29.0	925.0	27.0	993	65	925.0	27.0	2.3	Core
IOS1716_68	1447	44.40	0.34400	0.01800	0.05130	0.00240	0.69923	299.0	14.0	322.0	15.0	140	81	322.0	15.0	7.7	Rim
IOS1716_68	1281	1.98	0.90600	0.02500	0.10910	0.00270	0.70307	653.0	13.0	667.0	16.0	602	43	667.0	16.0	2.1	Core
IOS1716_69	180	4.30	0.37400	0.02400	0.05220	0.00160	0.28983	317.0	18.0	328.0	10.0	250	120	328.0	10.0	3.5	Single Age
IOS1716_70	246	8.27	0.39900	0.01600	0.05013	0.00084	0.30897	339.0	11.0	315.2	5.1	491	79	315.2	5.1	7.0	Single Age
IOS1716_71	191	10.30	0.36200	0.01700	0.05180	0.00120	0.26581	311.0	13.0	325.7	7.4	204	91	325.7	7.4	4.7	Single Age
IOS1716_72	506	62.60	0.37600	0.02000	0.05180	0.00210	0.51141	323.0	15.0	326.0	13.0	280	100	326.0	13.0	0.9	Rim
IOS1716_72	431	3.65	0.71200	0.03000	0.08320	0.00230	0.63057	544.0	18.0	515.0	13.0	653	74	515.0	13.0	5.3	Core
IOS1716_73	1200	30.20	0.40000	0.01900	0.05300	0.00190	0.62747	340.0	14.0	333.0	11.0	381	80	333.0	11.0	2.1	Rim
IOS1716_73	221	2.18	0.52400	0.03300	0.06930	0.00290	0.31923	425.0	22.0	432.0	17.0	370	120	432.0	17.0	1.6	Core
IOS1716_74	73.2	2.62	0.33100	0.01900	0.04330	0.00130	0.27934	286.0	15.0	273.3	8.2	390	120	273.3	8.2	4.4	Single Age
IOS1716_75	75.4	3.17	0.35100	0.01900	0.04980	0.00150	0.25551	302.0	14.0	312.9	9.2	230	110	312.9	9.2	3.6	Single Age
IOS1716_76	960	48.90	0.37660	0.00860	0.05170	0.00100	0.62976	323.8	6.3	324.7	6.3	304	41	324.7	6.3	0.3	Single Age
IOS1716_77	182	2.15	0.37400	0.01800	0.05150	0.00150	0.46508	320.0	13.0	323.6	9.5	282	84	323.6	9.5	1.1	Single Age
IOS1716_78	409	78.00	0.37800	0.01400	0.05130	0.00120	0.55879	324.0	10.0	322.2	7.3	314	65	322.2	7.3	0.6	Single Age
IOS1716_79	37.8	1.23	0.45800	0.03900	0.04960	0.00160	0.12517	375.0	27.0	311.7	9.9	650	170	DISC	DISC	16.9	Single Age
IOS1716_80	274	15.40	0.36800	0.01900	0.05040	0.00140	0.42518	316.0	14.0	316.8	8.6	290	96	316.8	8.6	0.3	Rim
IOS1716_80	473	25.20	0.56700	0.02700	0.07290	0.00320	0.72910	457.0	19.0	453.0	19.0	466	74	453.0	19.0	0.9	Core
IOS1716_81	431	23.10	0.36400	0.01600	0.04950	0.00140	0.53902	314.0	12.0	311.2	8.7	316	83	311.2	8.7	0.9	Rim
IOS1716_81	109.3	0.85	0.71200	0.04600	0.08780	0.00330	0.50756	542.0	27.0	542.0	20.0	520	120	542.0	20.0	0.0	Core
IOS1716_82	152.3	2.64	0.36000	0.01400	0.04960	0.00100	0.30985	310.0	10.0	311.8	6.4	283	75	311.8	6.4	0.6	Single Age
IOS1716_83	248	1.60	4.31000	0.16000	0.28270	0.00900	0.83223	1688.0	31.0	1603.0	45.0	1794	38	1794.0	38.0	10.6	Single Age

Table A3, con’t.

IOS1716_84	134	3.80	0.37300	0.02200	0.04880	0.00190	0.34279	317.0	16.0	307.0	11.0	370	120	307.0	11.0	3.2	Single Age
IOS1716_85	93	1.07	0.39000	0.02300	0.05300	0.00170	0.41809	333.0	17.0	333.0	10.0	300	110	333.0	10.0	0.0	Single Age
IOS1716_86	67.6	1.45	0.36000	0.01800	0.04800	0.00110	0.27680	310.0	14.0	302.1	7.0	330	100	302.1	7.0	2.5	Single Age
IOS1716_87	774	43.40	0.38400	0.02600	0.05320	0.00300	0.21054	329.0	19.0	334.0	18.0	290	170	334.0	18.0	1.5	Rim
IOS1716_87	237	9.66	1.01500	0.04500	0.10820	0.00300	0.71045	707.0	23.0	662.0	17.0	832	66	662.0	17.0	6.4	Core
IOS1716_88	371	7.90	0.39700	0.01500	0.05310	0.00110	0.36837	338.0	11.0	333.4	6.5	335	74	333.4	6.5	1.4	Single Age
IOS1716_89	102	3.35	0.37500	0.02600	0.05420	0.00120	0.11418	322.0	20.0	340.2	7.6	180	130	340.2	7.6	5.7	Single Age
IOS1716_90	1400	92.00	0.41500	0.01600	0.05460	0.00200	0.79453	354.0	13.0	343.0	12.0	415	56	343.0	12.0	3.1	Rim
IOS1716_90	94.6	0.67	1.40300	0.07500	0.13900	0.00530	0.26788	885.0	32.0	838.0	30.0	980	120	838.0	30.0	5.3	Core
IOS1716_91	365	54.60	0.36400	0.01000	0.05061	0.00064	0.23994	314.1	7.5	318.2	4.0	266	57	318.2	4.0	1.3	Single Age
IOS1716_92	704	28.00	0.34700	0.01100	0.04950	0.00130	0.61678	302.4	8.7	311.1	7.9	240	56	311.1	7.9	2.9	Single Age
IOS1716_93	48.5	1.57	0.46700	0.02800	0.05140	0.00120	0.06145	386.0	19.0	323.0	7.3	720	130	DISC	DISC	16.3	Single Age
IOS1716_94	810	30.00	0.43500	0.02300	0.05360	0.00150	0.37613	362.0	16.0	336.5	9.0	510	95	336.5	9.0	7.0	Single Age
IOS1716_95	130.2	4.58	0.35200	0.01600	0.04870	0.00170	0.37526	306.0	12.0	306.0	10.0	288	93	306.0	10.0	0.0	Single Age
IOS1716_96	215	2.62	1.03900	0.05500	0.04740	0.00150	0.63216	716.0	29.0	298.3	9.4	2388	78	DISC	DISC	58.3	Single Age
IOS1716_97	503	23.00	0.38600	0.01700	0.05310	0.00150	0.41480	331.0	13.0	333.3	9.3	295	91	333.3	9.3	0.7	Rim
IOS1716_97	83.2	2.02	0.94900	0.03700	0.10660	0.00300	0.28323	674.0	19.0	653.0	18.0	711	87	653.0	18.0	3.1	Core
IOS1716_98	506	22.40	0.37700	0.01500	0.05050	0.00110	0.45543	323.0	11.0	317.6	6.8	334	76	317.6	6.8	1.7	Single Age
IOS1716_99	584	29.70	0.39100	0.01500	0.05400	0.00170	0.60705	334.0	11.0	339.0	11.0	293	69	339.0	11.0	1.5	Rim
IOS1716_99	217.8	2.40	2.81000	0.51000	0.11130	0.00600	0.85374	1280.0	140.0	680.0	35.0	2400	290	DISC	DISC	46.9	Core
IOS1716_100	695	35.20	0.43400	0.01700	0.05600	0.00110	0.67784	364.0	12.0	351.2	6.7	414	61	351.2	6.7	3.5	Rim
IOS1716_100	264	6.61	3.18000	0.12000	0.16240	0.00780	0.49765	1450.0	30.0	969.0	43.0	2242	77	DISC	DISC	33.2	Core
IOS1716_101	420	35.40	0.47000	0.02700	0.04860	0.00120	0.04866	389.0	18.0	305.8	7.5	860	130	DISC	DISC	21.4	Rim
IOS1716_101	333	2.20	3.68000	0.12000	0.24850	0.00690	0.78852	1564.0	27.0	1430.0	36.0	1743	38	1743.0	38.0	18.0	Core
IOS1716_102	276.7	4.43	0.38900	0.01200	0.05023	0.00076	0.18608	332.3	8.9	315.9	4.7	412	66	315.9	4.7	4.9	Single Age
IOS1716_104	22.7	0.65	3.10000	0.15000	0.23200	0.00790	0.11693	1424.0	36.0	1343.0	41.0	1530	100	1530.0	100.0	12.2	Single Age
IOS1716_105	68.6	2.66	0.36900	0.02200	0.05060	0.00130	0.04054	314.0	16.0	318.2	8.0	260	120	318.2	8.0	1.3	Single Age

Table A3, con't.

IOS1716_106	109.7	6.62	0.41900	0.03000	0.05480	0.00350	0.41234	351.0	21.0	342.0	21.0	460	140	342.0	21.0	2.6	Single Age
IOS1716_107	115	5.27	0.39800	0.01600	0.05460	0.00100	0.30819	338.0	11.0	342.7	6.3	298	79	342.7	6.3	1.4	Single Age
IOS1716_108	660	11.10	0.39900	0.02000	0.05530	0.00240	0.60799	340.0	15.0	347.0	15.0	281	91	347.0	15.0	2.1	Rim
IOS1716_108	176	1.70	0.50400	0.02600	0.06670	0.00250	0.19634	413.0	17.0	416.0	15.0	380	120	416.0	15.0	0.7	Core
IOS1716_109	80.4	2.69	0.35900	0.01700	0.04980	0.00110	0.26410	310.0	13.0	313.1	7.0	267	94	313.1	7.0	1.0	Single Age
IOS1716_110	212	39.30	0.35500	0.01300	0.04862	0.00088	0.44831	307.2	9.8	306.0	5.4	300	74	306.0	5.4	0.4	Single Age
IOS1716_111	346	95.00	0.37200	0.01700	0.05240	0.00170	0.34113	319.0	13.0	329.0	11.0	258	92	329.0	11.0	3.1	Single Age
IOS1716_112	166	3.32	0.36100	0.01400	0.04930	0.00100	0.23284	311.0	11.0	310.4	6.4	304	84	310.4	6.4	0.2	Single Age
IOS1716_113	508	17.42	0.37410	0.00890	0.05011	0.00059	0.48603	322.8	6.3	315.2	3.6	341	47	315.2	3.6	2.4	Single Age
IOS1716_114	749	42.50	0.40000	0.02800	0.05150	0.00300	0.61776	340.0	20.0	324.0	19.0	440	120	324.0	19.0	4.7	Rim
IOS1716_114	210	5.61	1.01800	0.04900	0.10770	0.00320	0.50228	709.0	24.0	659.0	19.0	852	90	659.0	19.0	7.1	Core
IOS1716_115	202	13.10	0.37000	0.01200	0.05068	0.00092	0.34908	319.3	8.8	318.6	5.6	308	65	318.6	5.6	0.2	Single Age
IOS1716_116	570	13.00	0.36800	0.01000	0.05120	0.00100	0.37388	317.1	7.6	321.9	6.1	293	60	321.9	6.1	1.5	Single Age
IOS1716_117	30.64	0.80	0.58500	0.06100	0.04650	0.00150	0.04600	447.0	37.0	293.1	9.5	1170	210	DISC	DISC	34.4	Single Age
IOS1716_118	510	95.00	0.35410	0.00790	0.04927	0.00078	0.38885	307.2	5.9	310.0	4.8	281	47	310.0	4.8	0.9	Single Age
IOS1716_119	23.09	1.06	0.32600	0.03400	0.04840	0.00150	0.00640	284.0	27.0	304.6	9.4	120	190	304.6	9.4	7.3	Single Age
IOS1716_120	1144	51.10	0.38200	0.01200	0.05130	0.00100	0.63076	328.4	8.6	322.6	6.4	372	59	322.6	6.4	1.8	Rim
IOS1716_120	40.9	4.87	0.41100	0.03300	0.05550	0.00210	0.19802	348.0	25.0	348.0	13.0	320	160	348.0	13.0	0.0	Core
IOS1716_121	20.43	1.03	0.38000	0.03400	0.04800	0.00180	0.06602	323.0	26.0	302.0	11.0	400	170	302.0	11.0	6.5	Single Age
IOS1716_122	455	19.90	0.37200	0.01400	0.05140	0.00100	0.34181	319.0	10.0	323.1	6.3	305	74	323.1	6.3	1.3	Single Age
IOS1716_123	880	16.10	0.36100	0.01800	0.05030	0.00180	0.64309	312.0	13.0	316.0	11.0	270	77	316.0	11.0	1.3	Rim
IOS1716_123	113	1.14	0.83800	0.06200	0.09750	0.00480	0.72949	611.0	34.0	599.0	28.0	630	110	599.0	28.0	2.0	Core
IOS1716_124	896	8.90	0.42700	0.01600	0.05760	0.00180	0.48629	360.0	11.0	361.0	11.0	343	73	361.0	11.0	0.3	Rim
IOS1716_124	295	1.84	0.54400	0.02300	0.06980	0.00170	0.66020	439.0	15.0	435.0	10.0	459	72	435.0	10.0	0.9	Core
IOS1716_125	231.8	66.70	0.36600	0.01100	0.04979	0.00073	0.02598	315.4	8.2	313.2	4.5	314	69	313.2	4.5	0.7	Single Age
IOS1716_126	239	1.50	10.86000	0.33000	0.44400	0.01300	0.75463	2505.0	27.0	2363.0	56.0	2630	32	2630.0	32.0	10.2	Single Age
IOS1716_127	942	79.00	0.36500	0.01100	0.05136	0.00093	0.53687	315.5	7.9	322.8	5.7	251	54	322.8	5.7	2.3	Rim

Table A3, con't.

IOS1716_127	358	1.72	0.90800	0.04100	0.10130	0.00430	0.59791	654.0	21.0	622.0	25.0	760	79	622.0	25.0	4.9	Core
IOS1716_128	122	6.31	0.33100	0.03400	0.04800	0.00260	0.42645	287.0	25.0	302.0	16.0	170	170	302.0	16.0	5.2	Rim
IOS1716_128	158.4	2.54	3.04000	0.16000	0.18830	0.00860	0.83522	1402.0	38.0	1117.0	49.0	1882	52	DISC	DISC	20.3	Core
IOS1716_129	222.9	2.86	1.61400	0.04700	0.15760	0.00400	0.66114	972.0	18.0	942.0	22.0	1049	47	942.0	22.0	3.1	Single Age
IOS1716_130	110.6	2.14	0.72500	0.05200	0.08160	0.00280	0.17551	549.0	31.0	506.0	16.0	700	180	506.0	16.0	7.8	Single Age
IOS1716_201	525	123.00	0.38500	0.02900	0.05100	0.00210	0.48491	330.0	21.0	320.0	13.0	400	150	320.0	13.0	3.0	Rim
IOS1716_201	370	8.20	0.84400	0.02300	0.09720	0.00160	0.38402	620.0	13.0	597.6	9.3	694	52	597.6	9.3	3.6	Core
IOS1716_202	679	48.70	0.36200	0.01200	0.04937	0.00075	0.04874	313.6	8.7	310.7	4.6	327	83	310.7	4.6	0.9	Rim
IOS1716_202	217.4	2.41	0.84100	0.01800	0.10052	0.00098	0.18150	619.0	10.0	617.4	5.7	620	46	617.4	5.7	0.3	Core
IOS1716_203	940	14.61	0.42600	0.01700	0.05710	0.00160	0.44929	360.0	12.0	357.8	9.9	382	97	357.8	9.9	0.6	Rim
IOS1716_203	141.1	2.28	1.14500	0.02800	0.12690	0.00170	0.26846	773.0	13.0	770.0	9.8	781	49	770.0	9.8	0.4	Core
IOS1716_204	244	18.10	0.30400	0.02000	0.04350	0.00110	0.47310	269.0	15.0	274.2	6.9	230	130	274.2	6.9	1.9	Rim
IOS1716_204	1143	2.12	0.74800	0.01200	0.09030	0.00130	0.40535	566.9	6.9	557.1	7.9	600	37	557.1	7.9	1.7	Core
IOS1716_205	66	1.27	0.42800	0.03400	0.05700	0.00220	0.22999	358.0	24.0	357.0	14.0	310	160	357.0	14.0	0.3	Rim
IOS1716_205	444.8	6.62	0.96200	0.05000	0.09010	0.00260	0.61984	682.0	26.0	556.0	15.0	1125	79	DISC	DISC	18.5	Core
IOS1716_206	150.1	2.30	0.36400	0.01200	0.04996	0.00085	0.18546	314.2	8.9	314.2	5.2	309	71	314.2	5.2	0.0	Single Age
IOS1716_207	329	10.61	0.37040	0.00790	0.05061	0.00061	0.26777	319.3	5.8	318.2	3.8	322	48	318.2	3.8	0.3	Single Age
IOS1716_208	873	20.24	0.37230	0.00700	0.05165	0.00051	0.14911	321.2	5.2	324.6	3.1	299	45	324.6	3.1	1.1	Rim
IOS1716_208	305	2.38	0.77800	0.03200	0.09150	0.00330	0.80433	583.0	18.0	564.0	19.0	649	55	564.0	19.0	3.3	Core
IOS1716_209	168	2.20	1.68100	0.03500	0.16830	0.00180	0.23373	1000.0	13.0	1002.5	9.7	994	40	1002.5	9.7	0.2	Single Age
IOS1716_210	130	3.47	0.37300	0.01600	0.05015	0.00071	0.03359	319.0	12.0	315.4	4.3	338	89	315.4	4.3	1.1	Single Age
IOS1716_211	820	66.10	0.38900	0.01400	0.05140	0.00150	0.61481	333.0	10.0	323.2	9.2	392	67	323.2	9.2	2.9	Rim
IOS1716_211	905	62.50	0.55480	0.00990	0.07100	0.00100	0.62703	447.7	6.5	442.4	6.2	475	30	442.4	6.2	1.2	Core
IOS1716_212	1659	1.63	1.36100	0.02000	0.14450	0.00170	0.46248	872.1	8.7	870.2	9.3	871	29	870.2	9.3	0.2	Single Age
IOS1716_213	650	40.60	0.38550	0.00940	0.05231	0.00096	0.27145	330.7	6.9	328.6	5.9	344	57	328.6	5.9	0.6	Rim
IOS1716_213	369	2.90	1.13600	0.03200	0.12210	0.00270	0.34986	770.0	15.0	743.0	15.0	842	58	743.0	15.0	3.5	Core
IOS1716_214	820	12.30	0.37900	0.01400	0.05140	0.00081	0.51819	326.0	10.0	323.1	5.0	340	68	323.1	5.0	0.9	Rim
IOS1716_214	283	1.56	8.27600	0.08700	0.37120	0.00380	0.81610	2260.6	9.6	2034.0	18.0	2466	13	2466.0	13.0	17.5	Core

Table A3, con't.

IOS1716_215	675	9.40	0.40200	0.02900	0.05210	0.00260	0.67610	342.0	21.0	327.0	16.0	430	110	327.0	16.0	4.4	Rim
IOS1716_215	2060	49.30	0.74900	0.02100	0.08660	0.00210	0.73813	566.0	12.0	535.0	12.0	688	42	535.0	12.0	5.5	Core
IOS1716_216	34.6	0.71	0.37800	0.02400	0.05270	0.00130	0.13144	320.0	18.0	330.9	7.7	240	120	330.9	7.7	3.4	Single Age
IOS1716_217	253.5	0.88	0.82100	0.02100	0.09640	0.00130	0.08613	608.0	12.0	593.1	7.9	650	60	593.1	7.9	2.5	Single Age
IOS1716_218	233.9	5.27	0.36900	0.01000	0.05015	0.00062	0.21168	318.4	7.6	315.4	3.8	319	60	315.4	3.8	0.9	Single Age
IOS1716_219	559	14.36	0.81200	0.02400	0.09780	0.00160	0.59512	603.0	13.0	601.4	9.4	608	58	601.4	9.4	0.3	Rim
IOS1716_219	684	5.78	1.70600	0.01800	0.17070	0.00150	0.49923	1010.2	6.8	1016.0	8.5	994	20	1016.0	8.5	0.6	Core
IOS1716_220	1009	27.20	0.36660	0.00620	0.04998	0.00069	0.38509	317.9	4.9	314.4	4.2	340	40	314.4	4.2	1.1	Rim
IOS1716_220	73	1.44	0.71100	0.03600	0.08360	0.00200	0.38413	543.0	21.0	517.0	12.0	610	100	517.0	12.0	4.8	Core
IOS1716_221	186	7.14	0.37600	0.01000	0.04984	0.00066	0.11121	323.2	7.7	313.5	4.0	372	63	313.5	4.0	3.0	Single Age
IOS1716_222	760	11.55	0.37620	0.00660	0.05079	0.00055	0.21262	323.9	4.8	319.4	3.4	339	39	319.4	3.4	1.4	Rim
IOS1716_222	700	2.21	0.76900	0.03400	0.09220	0.00340	0.68569	578.0	19.0	568.0	20.0	605	72	568.0	20.0	1.7	Core
IOS1716_223	519	90.10	0.38300	0.02800	0.05230	0.00250	0.47740	328.0	21.0	329.0	15.0	320	140	329.0	15.0	0.3	Rim
IOS1716_223	600	2.32	1.16600	0.01300	0.12800	0.00100	0.52033	784.1	6.0	776.4	6.0	799	20	776.4	6.0	1.0	Core
IOS1716_224	184.9	3.54	0.37200	0.01100	0.04835	0.00062	0.13895	320.4	8.5	304.4	3.8	406	67	304.4	3.8	5.0	Rim
IOS1716_224	372	5.86	0.53900	0.02500	0.05940	0.00150	0.52216	437.0	16.0	372.1	9.3	774	78	DISC	DISC	14.9	Core
IOS1716_225	1064	21.74	0.35310	0.00440	0.04846	0.00037	0.38487	306.9	3.3	305.0	2.3	308	25	305.0	2.3	0.6	Single Age
IOS1716_226	136	4.10	0.37600	0.01800	0.05112	0.00091	0.27298	322.0	13.0	321.3	5.6	322	98	321.3	5.6	0.2	Single Age
IOS1716_227	817	16.90	0.37560	0.00760	0.05098	0.00060	0.37769	323.5	5.7	320.5	3.7	349	46	320.5	3.7	0.9	Rim
IOS1716_227	371	13.62	0.93600	0.04100	0.07840	0.00230	0.69520	670.0	21.0	486.0	14.0	1331	60	DISC	DISC	27.5	Core
IOS1716_228	59.6	0.61	0.33800	0.01600	0.04492	0.00078	0.16352	295.0	12.0	283.2	4.8	365	93	283.2	4.8	4.0	Single Age
IOS1716_229	197	15.70	0.34400	0.01000	0.04828	0.00056	0.29620	300.4	7.5	303.9	3.4	272	63	303.9	3.4	1.2	Single Age
IOS1716_230	538	49.80	0.36600	0.01200	0.04950	0.00130	0.34469	315.9	8.9	311.2	7.8	342	75	311.2	7.8	1.5	Rim
IOS1716_230	574.3	1.89	0.77300	0.02000	0.08930	0.00170	0.72969	580.0	11.0	551.0	10.0	676	37	551.0	10.0	5.0	Core

Table A3, con't.

SAMPLE NAME: IOS1717																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor - dance**	**Rim/ Core**
IOS1717_1	1150	45.20	0.37340	0.00780	0.05226	0.00073	0.59162	321.6	5.7	328.3	4.4	286	42	328.3	4.4	2.1	Single Age
IOS1717_2	376	19.90	0.36600	0.01900	0.05050	0.00120	0.27287	315.0	14.0	317.4	7.1	290	110	317.4	7.1	0.8	Rim
IOS1717_2	230.5	2.70	0.53900	0.02600	0.06660	0.00160	0.38861	436.0	17.0	415.7	9.8	516	97	415.7	9.8	4.7	Core
IOS1717_3	112	1.67	1.00800	0.04200	0.10230	0.00250	0.03234	704.0	21.0	628.0	15.0	950	100	DISC	DISC	10.8	Single Age
IOS1717_4	459	8.51	0.39700	0.01200	0.05276	0.00095	0.46800	338.2	8.7	331.4	5.9	367	60	331.4	5.9	2.0	Single Age
IOS1717_5	750	32.80	0.38900	0.01000	0.05410	0.00110	0.56936	334.5	7.6	339.5	6.5	303	51	339.5	6.5	1.5	Rim
IOS1717_5	104.5	1.40	1.26900	0.06900	0.12900	0.00350	0.65854	828.0	31.0	782.0	20.0	939	88	782.0	20.0	5.6	Core
IOS1717_6	62.1	1.02	0.51000	0.02900	0.05480	0.00150	0.35661	415.0	20.0	343.6	8.9	760	110	DISC	DISC	17.2	Single Age
IOS1717_7	631	37.80	0.43700	0.01000	0.05388	0.00078	0.30583	367.3	7.2	338.2	4.8	538	51	338.2	4.8	7.9	Single Age
IOS1717_8	927	15.40	0.46400	0.01300	0.05850	0.00140	0.77524	385.9	9.4	366.1	8.4	500	41	366.1	8.4	5.1	Single Age
IOS1717_9	272	37.10	1.39300	0.02900	0.13950	0.00220	0.61311	883.0	12.0	841.0	12.0	985	35	841.0	12.0	4.8	Single Age
IOS1717_10	1024	36.20	0.38000	0.01200	0.05120	0.00110	0.56549	326.5	8.9	321.8	6.8	352	58	321.8	6.8	1.4	Rim
IOS1717_10	212.7	2.63	1.02800	0.03800	0.11660	0.00270	0.44841	716.0	19.0	711.0	15.0	723	72	711.0	15.0	0.7	Core
IOS1717_11	750	22.10	0.36500	0.01500	0.05000	0.00160	0.74359	315.0	11.0	314.2	9.8	315	62	314.2	9.8	0.3	Rim
IOS1717_11	228	4.81	0.81100	0.03200	0.09570	0.00220	0.39383	601.0	18.0	589.0	13.0	685	78	589.0	13.0	2.0	Core
IOS1717_12	1250	20.30	0.37080	0.00990	0.05130	0.00130	0.46534	320.0	7.3	322.5	7.9	290	62	322.5	7.9	0.8	Rim
IOS1717_12	164	1.01	0.80900	0.03000	0.09410	0.00200	0.26980	599.0	17.0	579.0	12.0	658	80	579.0	12.0	3.3	Core
IOS1717_13	1306	20.71	0.49700	0.02700	0.05201	0.00078	0.37326	406.0	17.0	326.8	4.8	867	92	DISC	DISC	19.5	Single Age
IOS1717_14	1162	20.10	0.36990	0.00970	0.05102	0.00092	0.55547	319.0	7.1	320.7	5.6	304	48	320.7	5.6	0.5	Rim
IOS1717_14	315	1.54	0.78500	0.05200	0.09840	0.00370	0.49795	586.0	29.0	605.0	22.0	510	130	605.0	22.0	3.2	Core
IOS1717_15	1810	96.10	0.33490	0.00710	0.04620	0.00094	0.69579	294.2	5.4	291.0	5.8	315	36	291.0	5.8	1.1	Single Age

Table A3, con't.

IOS1717_16	645	25.20	0.39600	0.01100	0.05223	0.00092	0.67212	338.3	8.2	328.1	5.6	399	46	328.1	5.6	3.0	Single Age
IOS1717_17	1168	8.97	0.40800	0.01400	0.05460	0.00160	0.59782	346.0	10.0	342.4	9.6	369	45	342.4	9.6	1.0	Rim
IOS1717_17	1479	4.52	0.60800	0.01600	0.07240	0.00180	0.72554	482.0	10.0	451.0	11.0	637	42	451.0	11.0	6.4	Core
IOS1717_18	111.7	6.03	0.36700	0.01400	0.05032	0.00093	0.22553	316.0	10.0	316.4	5.7	319	80	316.4	5.7	0.1	Single Age
IOS1717_19	719	19.26	0.60800	0.05300	0.05510	0.00150	0.74610	472.0	29.0	345.7	8.9	1090	110	DISC	DISC	26.8	Single Age
IOS1717_20	1351	21.10	0.38000	0.01000	0.05160	0.00110	0.63800	326.3	7.5	324.2	6.7	343	47	324.2	6.7	0.6	Rim
IOS1717_20	514	2.84	0.91500	0.02800	0.10760	0.00300	0.52376	659.0	15.0	658.0	18.0	682	56	658.0	18.0	0.2	Core
IOS1717_21	819	52.70	0.38900	0.01700	0.05330	0.00240	0.55298	333.0	13.0	335.0	15.0	327	96	335.0	15.0	0.6	Rim
IOS1717_21	355	1.26	0.69400	0.02200	0.08550	0.00180	0.53279	533.0	13.0	529.0	11.0	548	57	529.0	11.0	0.8	Core
IOS1717_22	429	7.41	0.71000	0.15000	0.05580	0.00270	0.31991	570.0	110.0	350.0	16.0	1430	430	DISC	DISC	38.6	Rim
IOS1717_22	1596	1.14	0.66200	0.01500	0.08360	0.00150	0.76803	515.1	9.0	517.3	8.9	507	32	517.3	8.9	0.4	Core
IOS1717_23	137.2	2.94	0.69100	0.02100	0.07930	0.00140	0.22909	532.0	13.0	492.0	8.2	689	70	492.0	8.2	7.5	Single Age
IOS1717_24	2400	292.00	0.39700	0.01200	0.05270	0.00140	0.64622	338.9	8.8	331.1	8.4	396	51	331.1	8.4	2.3	Rim
IOS1717_24	469	25.60	0.88300	0.05200	0.10370	0.00420	0.69834	640.0	28.0	636.0	24.0	651	92	636.0	24.0	0.6	Core
IOS1717_25	893	27.90	0.42580	0.00900	0.05135	0.00075	0.43621	359.5	6.3	322.8	4.6	597	38	DISC	DISC	10.2	Single Age
IOS1717_26	807	21.34	0.39100	0.01100	0.05260	0.00110	0.53012	334.5	7.9	330.4	7.0	372	55	330.4	7.0	1.2	Rim
IOS1717_26	216	4.25	0.86600	0.07600	0.10220	0.00380	0.37872	629.0	40.0	627.0	22.0	620	160	627.0	22.0	0.3	Core
IOS1717_27	827	23.10	0.52000	0.05100	0.05740	0.00180	0.19480	419.0	30.0	360.0	11.0	700	160	DISC	DISC	14.1	Rim
IOS1717_27	197.9	1.22	1.13600	0.05600	0.12490	0.00480	0.56264	767.0	26.0	758.0	27.0	818	89	758.0	27.0	1.2	Core
IOS1717_28	640	7.60	0.43100	0.04000	0.06010	0.00720	0.95115	388.0	56.0	376.0	43.0	440	160	DISC	DISC	3.1	Rim
IOS1717_28	603	1.15	3.30700	0.08400	0.22930	0.00460	0.78696	1477.0	20.0	1330.0	24.0	1707	27	1707.0	27.0	22.1	Core
IOS1717_29	360	34.40	0.41400	0.02100	0.05120	0.00190	0.32893	351.0	15.0	322.0	11.0	520	120	322.0	11.0	8.3	Rim
IOS1717_29	65.3	0.47	0.67700	0.04200	0.08200	0.00210	0.05865	519.0	25.0	508.0	13.0	530	130	508.0	13.0	2.1	Core
IOS1717_30	3030	83.60	0.86000	0.11000	0.05280	0.00130	0.58687	614.0	54.0	331.5	8.1	1790	170	DISC	DISC	46.0	Single Age
IOS1717_31	232	4.66	0.92800	0.02600	0.10800	0.00170	0.50936	665.0	13.0	661.0	9.9	679	50	661.0	9.9	0.6	Single Age

Table A3, con't.

IOS1717_32	996	60.10	0.37330	0.00890	0.05019	0.00090	0.66524	321.3	6.5	315.6	5.5	355	40	315.6	5.5	1.8	Single Age
IOS1717_33	95.4	1.16	1.20300	0.05200	0.12510	0.00270	0.27707	798.0	24.0	759.0	15.0	920	82	759.0	15.0	4.9	Single Age
IOS1717_34	1273	24.10	0.45100	0.03000	0.05210	0.00120	0.43297	372.0	19.0	327.2	7.1	620	110	DISC	DISC	12.0	Single Age
IOS1717_35	284.6	15.30	0.34800	0.01100	0.04396	0.00063	0.33854	302.1	8.1	277.3	3.9	478	63	277.3	3.9	8.2	Single Age
IOS1717_36	217	1.83	7.24000	0.23000	0.31200	0.00900	0.88901	2135.0	27.0	1748.0	44.0	2542	25	DISC	DISC	31.2	Single Age
IOS1717_37	2230	64.00	0.41100	0.01500	0.05590	0.00220	0.83119	349.0	10.0	350.0	13.0	376	55	350.0	13.0	0.3	Rim
IOS1717_37	931	17.00	1.70400	0.05400	0.16560	0.00470	0.76472	1008.0	20.0	987.0	26.0	1059	42	987.0	26.0	2.1	Core
IOS1717_38	1045	17.25	0.38570	0.00760	0.05214	0.00077	0.67395	330.7	5.6	327.6	4.7	347	33	327.6	4.7	0.9	Single Age
IOS1717_39	1220	44.60	0.39210	0.00890	0.05339	0.00096	0.54377	335.6	6.5	335.3	5.9	349	46	335.3	5.9	0.1	Rim
IOS1717_39	412	8.90	1.27200	0.04500	0.13690	0.00390	0.68706	830.0	20.0	826.0	22.0	844	55	826.0	22.0	0.5	Core
IOS1717_40	927	25.80	0.47300	0.02700	0.05620	0.00190	0.69461	391.0	19.0	353.0	11.0	611	88	353.0	11.0	9.7	Rim
IOS1717_40	381	5.83	0.76400	0.02300	0.09020	0.00250	0.63277	575.0	13.0	557.0	15.0	637	58	557.0	15.0	3.1	Core
IOS1717_41	555	13.30	0.39600	0.01300	0.05206	0.00082	0.39365	338.3	9.5	327.1	5.0	402	66	327.1	5.0	3.3	Rim
IOS1717_41	127.4	1.54	0.59900	0.03400	0.07410	0.00220	0.34120	473.0	21.0	461.0	13.0	540	120	461.0	13.0	2.5	Core
IOS1717_42	205.9	2.21	1.23100	0.03400	0.13370	0.00260	0.56116	813.0	15.0	809.0	15.0	824	49	809.0	15.0	0.5	Single Age
IOS1717_43	871	56.90	0.37300	0.00770	0.05080	0.00068	0.44005	321.3	5.7	319.4	4.2	333	40	319.4	4.2	0.6	Single Age
IOS1717_44	900	50.00	0.38900	0.01400	0.05340	0.00120	0.52441	332.9	9.9	335.2	7.4	333	72	335.2	7.4	0.7	Single Age
IOS1717_45	770	25.50	0.37400	0.01300	0.05070	0.00130	0.55946	321.7	9.4	319.0	7.8	339	62	319.0	7.8	0.8	Rim
IOS1717_45	123.5	6.13	1.09600	0.05200	0.12300	0.00310	0.48782	747.0	25.0	747.0	18.0	728	93	747.0	18.0	0.0	Core
IOS1717_46	857	26.00	0.37970	0.00810	0.05082	0.00062	0.45346	326.9	6.1	319.5	3.8	371	42	319.5	3.8	2.3	Single Age
IOS1717_47	476	5.14	0.42500	0.01500	0.05570	0.00160	0.58386	359.0	11.0	349.5	9.5	433	69	349.5	9.5	2.6	Rim
IOS1717_47	102.9	0.83	0.73600	0.03500	0.08890	0.00270	0.23643	558.0	21.0	549.0	16.0	610	120	549.0	16.0	1.6	Core
IOS1717_48	849	2.16	0.76300	0.01500	0.09270	0.00130	0.69035	574.4	8.4	571.3	7.7	584	31	571.3	7.7	0.5	Single Age
IOS1717_49	1260	21.60	0.49100	0.02000	0.05300	0.00120	0.32973	404.0	13.0	332.9	7.4	813	77	DISC	DISC	17.6	Rim
IOS1717_49	315	3.83	5.11000	0.16000	0.31510	0.00760	0.76224	1835.0	26.0	1764.0	37.0	1918	37	1918.0	37.0	8.0	Core

Table A3, con’t.

IOS1717_50	1530	193.00	0.43900	0.02200	0.05430	0.00210	0.46094	369.0	15.0	341.0	13.0	544	96	341.0	13.0	7.6	Rim
IOS1717_50	506	2.17	5.68000	0.14000	0.32100	0.00720	0.81589	1926.0	21.0	1793.0	35.0	2076	25	2076.0	25.0	13.6	Core
IOS1717_51	225	10.19	0.37700	0.01200	0.05114	0.00085	0.22351	323.5	8.9	321.4	5.2	324	69	321.4	5.2	0.6	Single Age
IOS1717_52	898	15.50	0.63000	0.04500	0.06430	0.00310	0.56405	494.0	27.0	401.0	19.0	940	100	DISC	DISC	18.8	Rim
IOS1717_52	159.2	2.64	7.52000	0.27000	0.32400	0.01100	0.84583	2170.0	32.0	1805.0	52.0	2540	33	DISC	DISC	28.9	Core
IOS1717_53	348	2.51	5.80000	0.11000	0.34290	0.00500	0.65435	1943.0	16.0	1900.0	24.0	1986	26	1986.0	26.0	4.3	Single Age
IOS1717_54	1280	47.80	0.39230	0.00750	0.05324	0.00085	0.59402	335.5	5.4	334.3	5.2	336	36	334.3	5.2	0.4	Single Age
IOS1717_55	1150	97.30	0.84000	0.02100	0.09890	0.00210	0.68473	617.0	12.0	608.0	13.0	658	37	608.0	13.0	1.5	Single Age
IOS1717_56	297	9.57	0.41400	0.01400	0.05426	0.00084	0.37141	350.4	9.7	340.6	5.1	393	65	340.6	5.1	2.8	Single Age
IOS1717_57	447	12.90	0.36800	0.01100	0.05093	0.00074	0.36967	318.2	7.9	320.2	4.5	299	57	320.2	4.5	0.6	Single Age
IOS1717_58	1025	18.10	0.38400	0.01400	0.05160	0.00120	0.34897	330.0	11.0	324.4	7.1	355	80	324.4	7.1	1.7	Rim
IOS1717_58	378	2.49	0.83200	0.02500	0.09610	0.00230	0.70358	612.0	14.0	591.0	14.0	677	46	591.0	14.0	3.4	Core
IOS1717_59	973	13.60	0.44800	0.01300	0.05830	0.00170	0.33778	375.8	9.4	365.0	10.0	434	74	365.0	10.0	2.9	Rim
IOS1717_59	193	1.74	0.70500	0.03200	0.08920	0.00260	0.55233	539.0	19.0	550.0	16.0	476	81	550.0	16.0	2.0	Core
IOS1717_60	791	6.90	0.43500	0.01300	0.05720	0.00120	0.66601	367.1	9.4	358.7	7.4	401	51	358.7	7.4	2.3	Single Age
IOS1717_61	458	12.10	0.38400	0.01700	0.05207	0.00094	0.19426	330.0	12.0	327.1	5.7	316	90	327.1	5.7	0.9	Single Age
IOS1717_62	832	22.30	0.42600	0.02300	0.05370	0.00290	0.28013	359.0	16.0	337.0	18.0	510	130	337.0	18.0	6.1	Rim
IOS1717_62	499	3.08	1.34300	0.03000	0.14030	0.00230	0.48965	863.0	13.0	846.0	13.0	884	43	846.0	13.0	2.0	Core
IOS1717_63	625	35.60	0.40500	0.01400	0.05300	0.00120	0.53330	344.0	10.0	332.6	7.2	405	64	332.6	7.2	3.3	Rim
IOS1717_63	623	13.99	3.57000	0.22000	0.22100	0.01400	0.93106	1533.0	48.0	1284.0	71.0	1916	37	DISC	DISC	33.0	Core
IOS1717_64	1244	2.60	0.83700	0.01700	0.09790	0.00170	0.80014	616.4	9.5	602.0	10.0	656	29	602.0	10.0	2.3	Single Age
IOS1717_65	360	17.30	0.40100	0.01800	0.05490	0.00180	0.28146	341.0	13.0	344.0	11.0	321	87	344.0	11.0	0.9	Single Age
IOS1717_66	1390	13.76	0.62800	0.01500	0.07400	0.00160	0.65319	494.3	9.2	460.3	9.6	646	41	460.3	9.6	6.9	Single Age
IOS1717_67	1108	23.42	0.36580	0.00830	0.04975	0.00088	0.64029	315.9	6.2	312.9	5.4	325	39	312.9	5.4	0.9	Single Age
IOS1717_68	486	19.80	0.56000	0.02400	0.05990	0.00160	0.50574	454.0	17.0	375.0	9.6	854	80	DISC	DISC	17.4	Rim

Table A3, con't.

IOS1717_68	292.5	28.60	13.3700	0.31000	0.50800	0.01100	0.71545	2703.0	22.0	2646.0	48.0	2747	26	2747.0	26.0	3.7	Core
IOS1717_69	1131	21.50	0.47700	0.02100	0.05480	0.00170	0.58388	395.0	15.0	344.0	10.0	690	80	DISC	DISC	12.9	Rim
IOS1717_69	329	1.82	4.12000	0.11000	0.21330	0.00500	0.80480	1655.0	23.0	1246.0	27.0	2218	29	DISC	DISC	43.8	Core
IOS1717_70	1003	29.70	0.39900	0.01600	0.05230	0.00150	0.70355	340.0	11.0	328.7	9.0	402	60	328.7	9.0	3.3	Rim
IOS1717_70	284	3.27	0.75800	0.03000	0.09360	0.00290	0.64550	570.0	17.0	576.0	17.0	528	70	576.0	17.0	1.1	Core
IOS1717_71	439	20.80	0.60700	0.04800	0.06270	0.00280	0.84871	481.0	31.0	392.0	17.0	864	85	DISC	DISC	18.5	Rim
IOS1717_71	52.4	1.16	5.74000	0.38000	0.27200	0.01500	0.79516	1919.0	57.0	1548.0	73.0	2349	73	DISC	DISC	34.1	Core
IOS1717_72	416	52.90	0.41800	0.01500	0.05010	0.00110	0.03473	353.0	10.0	315.0	6.9	585	64	DISC	DISC	10.8	Rim
IOS1717_72	128.3	0.73	0.93500	0.05600	0.10450	0.00450	0.23319	668.0	29.0	640.0	26.0	740	130	640.0	26.0	4.2	Core
IOS1717_73	1210	70.00	0.41000	0.01100	0.05430	0.00120	0.56566	348.7	7.7	340.7	7.3	387	52	340.7	7.3	2.3	Single Age
IOS1717_74	485	6.11	0.48000	0.04000	0.06310	0.00440	0.51399	397.0	27.0	394.0	26.0	400	170	394.0	26.0	0.8	Rim
IOS1717_74	116.9	1.65	0.74000	0.03400	0.09090	0.00240	0.37685	559.0	20.0	561.0	14.0	543	89	561.0	14.0	0.4	Core
IOS1717_75	411	12.20	0.41600	0.02200	0.05570	0.00160	0.49622	352.0	15.0	350.0	10.0	370	110	350.0	10.0	0.6	Rim
IOS1717_75	113.2	1.66	7.89000	0.29000	0.36700	0.01100	0.46799	2215.0	34.0	2012.0	50.0	2399	56	2399.0	56.0	16.1	Core
IOS1717_76	739	11.70	0.42900	0.02100	0.05160	0.00130	0.47989	362.0	15.0	324.2	8.3	576	97	DISC	DISC	10.4	Rim
IOS1717_76	427	1.45	9.06000	0.31000	0.38300	0.01000	0.80499	2336.0	31.0	2089.0	48.0	2553	33	2553.0	33.0	18.2	Core
IOS1717_77	654	35.70	0.41700	0.01000	0.05212	0.00077	0.35577	353.1	7.2	327.4	4.7	499	51	327.4	4.7	7.3	Single Age
IOS1717_78	1709	12.84	0.55800	0.01100	0.06680	0.00110	0.73509	450.5	7.1	417.0	6.6	614	28	417.0	6.6	7.4	Single Age
IOS1717_79	986	27.50	0.44200	0.01300	0.05530	0.00110	0.68017	370.7	9.4	347.1	6.8	499	56	347.1	6.8	6.4	Rim
IOS1717_79	269	5.92	0.78500	0.05600	0.08800	0.00400	0.74976	585.0	32.0	543.0	24.0	720	100	543.0	24.0	7.2	Core
IOS1717_80	418	5.44	0.61100	0.01700	0.07480	0.00140	0.46983	483.0	11.0	464.9	8.5	543	57	464.9	8.5	3.7	Single Age
IOS1717_81	890	46.00	0.44700	0.01700	0.05870	0.00150	0.60034	374.0	12.0	367.6	9.1	393	66	367.6	9.1	1.7	Rim
IOS1717_81	243.1	2.48	0.86700	0.05400	0.09590	0.00240	0.57671	630.0	28.0	590.0	14.0	744	96	590.0	14.0	6.3	Core
IOS1717_82	770	10.70	0.50200	0.01700	0.05160	0.00110	0.60218	414.0	12.0	324.4	6.9	930	63	DISC	DISC	21.6	Single Age
IOS1717_83	318	2.21	4.68000	0.15000	0.23000	0.00640	0.85762	1758.0	27.0	1333.0	34.0	2302	29	DISC	DISC	42.1	Single Age

Table A3, con't.

IOS1717_84	466	3.74	1.08300	0.04200	0.11920	0.00350	0.68025	742.0	20.0	726.0	20.0	791	55	726.0	20.0	2.2	Single Age
IOS1717_85	76.7	1.88	0.48100	0.03800	0.04990	0.00130	0.03382	392.0	25.0	313.6	7.7	810	160	DISC	DISC	20.0	Single Age
IOS1717_86	905	22.80	0.38700	0.01300	0.05080	0.00120	0.63739	331.6	9.3	319.4	7.2	400	58	319.4	7.2	3.7	Rim
IOS1717_86	532	18.50	0.78400	0.02300	0.07040	0.00150	0.53371	586.0	13.0	438.4	8.9	1207	52	DISC	DISC	25.2	Core
IOS1717_87	735	21.20	0.41700	0.01800	0.05200	0.00120	0.56134	353.0	13.0	326.9	7.1	498	84	326.9	7.1	7.4	Rim
IOS1717_87	144.8	2.24	1.53800	0.04700	0.15260	0.00270	0.51500	942.0	18.0	915.0	15.0	988	52	915.0	15.0	2.9	Core
IOS1717_88	864	109.00	0.42000	0.02300	0.05410	0.00150	0.59897	355.0	16.0	339.4	9.2	429	97	339.4	9.2	4.4	Rim
IOS1717_88	353	3.31	0.76700	0.02300	0.09470	0.00180	0.54966	576.0	13.0	583.0	11.0	517	54	583.0	11.0	1.2	Core
IOS1717_89	1073	27.90	0.45500	0.01900	0.05254	0.00090	0.03194	380.0	13.0	330.1	5.5	634	62	DISC	DISC	13.1	Rim
IOS1717_89	418	21.00	0.50700	0.02100	0.05790	0.00190	0.57201	415.0	14.0	363.0	11.0	694	76	DISC	DISC	12.5	Core
IOS1717_90	411	12.40	0.86800	0.04000	0.07120	0.00240	0.48729	632.0	22.0	443.0	15.0	1364	80	DISC	DISC	29.9	Single Age
IOS1717_91	1045	25.40	0.37910	0.00750	0.05187	0.00071	0.52493	325.8	5.5	325.9	4.4	301	38	325.9	4.4	0.0	Single Age
IOS1717_93	344	31.20	0.40100	0.01900	0.05280	0.00190	0.67233	341.0	14.0	331.0	12.0	382	79	331.0	12.0	2.9	Rim
IOS1717_93	764	1.69	0.86700	0.02300	0.10130	0.00180	0.53418	632.0	12.0	622.0	10.0	637	49	622.0	10.0	1.6	Core
IOS1717_94	222	5.60	0.51200	0.03500	0.05680	0.00130	0.37147	416.0	23.0	355.9	7.9	700	130	DISC	DISC	14.4	Rim
IOS1717_94	378	4.56	0.88800	0.04500	0.09820	0.00350	0.66490	642.0	24.0	603.0	21.0	762	74	603.0	21.0	6.1	Core
IOS1717_95	821	25.80	0.37310	0.00760	0.05167	0.00066	0.35464	321.4	5.6	324.7	4.1	280	44	324.7	4.1	1.0	Single Age
IOS1717_96	68.5	1.95	0.83200	0.03600	0.09820	0.00210	0.26929	611.0	20.0	604.0	12.0	609	93	604.0	12.0	1.1	Single Age
IOS1717_97	825	41.40	0.39420	0.00960	0.05022	0.00076	0.49354	336.5	7.0	315.8	4.7	455	48	315.8	4.7	6.2	Single Age
IOS1717_98	1100	19.10	0.41900	0.01600	0.05240	0.00100	0.43327	354.0	11.0	329.0	6.3	486	69	329.0	6.3	7.1	Rim
IOS1717_98	385	0.72	1.08900	0.06000	0.11690	0.00460	0.90585	744.0	29.0	712.0	27.0	820	57	712.0	27.0	4.3	Core
IOS1717_99	945	28.70	0.37950	0.00730	0.05202	0.00072	0.44867	326.2	5.4	326.8	4.4	302	40	326.8	4.4	0.2	Single Age
IOS1717_100	450	81.00	0.40100	0.01200	0.05160	0.00110	0.49591	341.4	8.9	324.2	6.9	431	60	324.2	6.9	5.0	Rim
IOS1717_100	203.7	1.22	5.65000	0.23000	0.32500	0.01200	0.88612	1918.0	35.0	1809.0	56.0	2025	36	2025.0	36.0	10.7	Core
IOS1717_101	1560	16.20	0.40260	0.00840	0.05215	0.00096	0.57404	343.1	6.1	327.6	5.9	435	43	327.6	5.9	4.5	Single Age

Table A3, con't.

IOS1717_102	946	27.80	0.37610	0.00940	0.05007	0.00072	0.54456	323.3	6.9	315.5	4.5	363	47	315.5	4.5	2.4	Single Age
IOS1717_103	1100	17.40	0.64000	0.09300	0.05150	0.00230	0.44864	494.0	54.0	324.0	14.0	1300	210	DISC	DISC	34.4	Rim
IOS1717_103	104.1	3.20	1.34300	0.05500	0.11340	0.00270	0.54024	858.0	23.0	692.0	15.0	1288	67	DISC	DISC	19.3	Core
IOS1717_104	366	1.28	0.81900	0.01600	0.09820	0.00140	0.32547	606.1	8.9	603.6	8.2	600	41	603.6	8.2	0.4	Single Age
IOS1717_105	878	25.34	0.39450	0.00920	0.04857	0.00069	0.37841	336.9	6.6	305.7	4.2	534	47	305.7	4.2	9.3	Single Age
IOS1717_106	1150	12.36	0.36720	0.00830	0.04812	0.00088	0.67054	317.6	6.3	302.9	5.4	403	38	302.9	5.4	4.6	Single Age
IOS1717_107	185.6	1.07	0.90100	0.02700	0.10540	0.00200	0.48816	650.0	14.0	646.0	11.0	636	57	646.0	11.0	0.6	Single Age
IOS1717_109	443	11.48	0.38300	0.01300	0.05290	0.00110	0.42966	328.2	9.3	332.4	6.5	278	65	332.4	6.5	1.3	Single Age
IOS1717_110	1640	30.70	0.40500	0.01100	0.05350	0.00100	0.54250	344.8	7.6	336.2	6.4	382	50	336.2	6.4	2.5	Rim
IOS1717_110	423	19.20	0.90500	0.04700	0.09820	0.00350	0.67351	651.0	25.0	604.0	21.0	798	78	604.0	21.0	7.2	Core
IOS1717_111	193	1.59	1.25300	0.05300	0.11870	0.00330	0.43269	825.0	25.0	723.0	19.0	1090	79	DISC	DISC	12.4	Single Age
IOS1717_112	553	34.70	0.43000	0.02200	0.05360	0.00180	0.51278	362.0	15.0	336.0	11.0	524	98	336.0	11.0	7.2	Rim
IOS1717_112	766	4.52	0.79700	0.02600	0.09500	0.00230	0.68937	593.0	14.0	585.0	14.0	609	50	585.0	14.0	1.3	Core
IOS1717_113	195	1.63	1.13000	0.11000	0.08510	0.00230	0.32360	752.0	51.0	526.0	14.0	1410	170	DISC	DISC	30.1	Single Age
IOS1717_114	1480	111.00	0.36060	0.00750	0.04887	0.00091	0.71480	312.1	5.6	307.5	5.6	327	34	307.5	5.6	1.5	Single Age
IOS1717_115	586	33.00	0.39100	0.01400	0.05200	0.00120	0.51928	335.0	10.0	326.9	7.5	367	67	326.9	7.5	2.4	Rim
IOS1717_115	521	3.88	0.78600	0.02300	0.09450	0.00230	0.51027	588.0	13.0	582.0	14.0	595	61	582.0	14.0	1.0	Core
IOS1717_116	481	16.60	0.37600	0.01000	0.05160	0.00110	0.52141	323.1	7.4	324.3	6.7	303	52	324.3	6.7	0.4	Single Age
IOS1717_117	1280	1.90	1.48500	0.03300	0.14940	0.00380	0.72679	924.0	13.0	897.0	21.0	995	36	897.0	21.0	2.9	Single Age
IOS1717_118	1038	83.30	0.39400	0.01300	0.05430	0.00160	0.39927	336.2	9.1	340.9	9.9	310	48	340.9	9.9	1.4	Rim
IOS1717_118	116.1	11.80	0.97100	0.05100	0.11650	0.00370	0.34139	686.0	26.0	710.0	21.0	590	110	710.0	21.0	3.5	Core
IOS1717_119	1100	158.00	0.41600	0.01800	0.05370	0.00190	0.38933	353.0	13.0	337.0	12.0	440	97	337.0	12.0	4.5	Rim
IOS1717_119	779	5.31	0.85500	0.02400	0.10300	0.00280	0.70705	626.0	13.0	631.0	17.0	601	45	631.0	17.0	0.8	Core
IOS1717_120	362	9.50	0.42000	0.01700	0.05510	0.00120	0.37615	354.0	12.0	345.8	7.4	394	77	345.8	7.4	2.3	Single Age
IOS1717_121	956	21.90	0.39600	0.01000	0.05097	0.00077	0.00023	337.8	7.4	320.4	4.7	445	52	320.4	4.7	5.2	Single Age

Table A3, con't.

IOS1717_122	338	8.68	0.38300	0.01600	0.05080	0.00120	0.40550	328.0	11.0	319.5	7.4	376	82	319.5	7.4	2.6	Rim
IOS1717_122	181.8	1.84	0.65600	0.04100	0.07460	0.00180	0.45493	508.0	24.0	464.0	11.0	730	140	464.0	11.0	8.7	Core
IOS1717_123	928	23.70	0.36920	0.00810	0.05054	0.00077	0.62361	318.3	6.0	317.8	4.7	316	38	317.8	4.7	0.2	Single Age
IOS1717_124	783	28.40	0.38700	0.01000	0.05200	0.00100	0.25798	333.0	7.1	326.9	6.1	365	62	326.9	6.1	1.8	Rim
IOS1717_124	709	1.33	0.74300	0.02500	0.09140	0.00230	0.44694	563.0	15.0	564.0	13.0	555	68	564.0	13.0	0.2	Core
IOS1717_125	413	3.55	4.58000	0.07800	0.29040	0.00400	0.64243	1743.0	14.0	1642.0	20.0	1868	24	1868.0	24.0	12.1	Single Age
IOS1717_126	630	19.08	0.42900	0.01300	0.05143	0.00092	0.43816	361.5	9.3	323.3	5.6	614	62	DISC	DISC	10.6	Rim
IOS1717_126	283	14.00	0.94500	0.07100	0.10700	0.00540	0.80511	672.0	37.0	655.0	31.0	720	100	655.0	31.0	2.5	Core
IOS1717_127	994	36.30	0.35590	0.00870	0.05045	0.00094	0.24236	308.6	6.5	317.2	5.8	248	41	317.2	5.8	2.8	Single Age
IOS1717_128	421	22.90	0.40300	0.01900	0.05130	0.00150	0.59164	343.0	14.0	322.3	9.1	473	87	322.3	9.1	6.0	Rim
IOS1717_128	860	1.54	1.30800	0.04900	0.13580	0.00400	0.81038	847.0	22.0	820.0	23.0	923	46	820.0	23.0	3.2	Core
IOS1717_129	203	3.22	0.76100	0.01800	0.09350	0.00140	0.17845	572.0	10.0	575.9	8.0	560	56	575.9	8.0	0.7	Single Age
IOS1717_130	368	6.99	0.47000	0.05200	0.05590	0.00280	0.35283	389.0	35.0	351.0	17.0	620	190	351.0	17.0	9.8	Rim
IOS1717_130	400.8	3.89	7.46000	0.15000	0.34260	0.00650	0.71616	2166.0	18.0	1898.0	31.0	2439	25	2439.0	25.0	22.2	Core

SAMPLE NAME: IOS1718

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1718_1	426	1.18	0.83800	0.01800	0.09920	0.00150	0.56453	617.0	10.0	609.6	9.1	645	39	609.6	9.1	1.2	Single Age
IOS1718_2	378	4.77	0.74000	0.02200	0.09130	0.00210	0.64039	560.0	13.0	563.0	12.0	557	51	563.0	12.0	0.5	Single Age
IOS1718_3	677	26.70	2.37000	0.12000	0.14860	0.00970	0.22124	1232.0	37.0	892.0	55.0	1900	100	DISC	DISC	27.6	Rim
IOS1718_3	224.4	7.27	6.44000	0.12000	0.37180	0.00570	0.70961	2034.0	16.0	2037.0	27.0	2029	24	2029.0	24.0	0.4	Core
IOS1718_4	113	0.54	5.62000	0.10000	0.34310	0.00520	0.64776	1916.0	16.0	1900.0	25.0	1935	25	1935.0	25.0	1.8	Single Age
IOS1718_5	241.4	1.38	1.88700	0.05400	0.17310	0.00290	0.60679	1073.0	19.0	1029.0	16.0	1162	47	1029.0	16.0	4.1	Single Age
IOS1718_6	584	15.20	0.50300	0.03200	0.06010	0.00290	0.59113	413.0	22.0	376.0	18.0	610	120	376.0	18.0	9.0	Rim

Table A3, con't.

IOS1718_6	247	2.50	1.16200	0.02500	0.12910	0.00200	0.49851	781.0	12.0	782.0	12.0	773	41	782.0	12.0	0.1	Core
IOS1718_7	131.2	0.94	4.89200	0.08800	0.30730	0.00430	0.57728	1797.0	15.0	1727.0	21.0	1873	28	1873.0	28.0	7.8	Single Age
IOS1718_8	1125	26.50	0.77900	0.02800	0.09050	0.00280	0.45069	583.0	16.0	558.0	17.0	676	75	558.0	17.0	4.3	Rim
IOS1718_8	419.5	3.90	1.02400	0.02900	0.11500	0.00230	0.58787	714.0	14.0	702.0	13.0	748	47	702.0	13.0	1.7	Core
IOS1718_9	632	1.96	8.32000	0.20000	0.35590	0.00850	0.73831	2261.0	22.0	1960.0	41.0	2550	29	2550.0	29.0	23.1	Single Age
IOS1718_10	552.3	14.87	1.02100	0.01600	0.11550	0.00140	0.53040	713.3	8.1	704.2	8.1	740	30	704.2	8.1	1.3	Single Age
IOS1718_11	8.42	1.57	0.99300	0.09800	0.11670	0.00540	0.05418	665.0	50.0	714.0	32.0	500	200	714.0	32.0	7.4	Single Age
IOS1718_12	95.4	1.65	1.74200	0.07200	0.14550	0.00290	0.49663	1018.0	26.0	875.0	16.0	1329	65	DISC	DISC	14.0	Single Age
IOS1718_13	80.7	0.76	1.60800	0.04700	0.16230	0.00260	0.26752	969.0	18.0	969.0	15.0	964	58	969.0	15.0	0.0	Single Age
IOS1718_14	250.5	5.02	0.88700	0.02000	0.10040	0.00150	0.51495	643.0	11.0	616.6	8.5	730	42	616.6	8.5	4.1	Single Age
IOS1718_15	231.3	1.62	1.38600	0.04500	0.13580	0.00360	0.58247	880.0	19.0	820.0	20.0	1029	57	820.0	20.0	6.8	Single Age
IOS1718_16	518.4	0.94	1.06400	0.01800	0.12090	0.00170	0.63657	734.9	9.0	735.7	9.9	731	28	735.7	9.9	0.1	Single Age
IOS1718_17	354	30.00	0.84800	0.02500	0.09480	0.00200	0.56168	625.0	14.0	583.0	12.0	744	44	583.0	12.0	6.7	Single Age
IOS1718_18	80.2	0.83	1.71000	0.05300	0.16910	0.00280	0.35013	1007.0	20.0	1007.0	15.0	994	58	1007.0	15.0	0.0	Single Age
IOS1718_19	154.2	1.60	1.77700	0.03600	0.17140	0.00250	0.36834	1035.0	13.0	1020.0	14.0	1060	41	1020.0	14.0	1.4	Single Age
IOS1718_20	1507	25.60	0.42000	0.02200	0.05490	0.00230	0.61383	356.0	16.0	345.0	14.0	416	96	345.0	14.0	3.1	Rim
IOS1718_20	743	6.60	1.61600	0.03700	0.16380	0.00290	0.74666	977.0	15.0	978.0	16.0	971	33	978.0	16.0	0.1	Core
IOS1718_21	1850	204.00	0.40800	0.02900	0.05270	0.00190	0.80943	346.0	20.0	331.0	12.0	423	90	331.0	12.0	4.3	Rim
IOS1718_21	1027	2.84	4.65200	0.06400	0.30010	0.00360	0.70783	1757.0	11.0	1691.0	18.0	1833	18	1833.0	18.0	7.7	Core
IOS1718_22	679	0.54	0.78800	0.02700	0.09240	0.00270	0.67209	588.0	15.0	569.0	16.0	655	54	569.0	16.0	3.2	Single Age
IOS1718_23	2130	22.10	0.49800	0.01600	0.06220	0.00170	0.80855	410.0	11.0	389.0	10.0	519	42	389.0	10.0	5.1	Rim
IOS1718_23	751	18.10	0.83100	0.01500	0.09940	0.00140	0.66302	613.7	8.3	610.7	8.1	607	33	610.7	8.1	0.5	Core
IOS1718_24	223	5.67	0.84100	0.03400	0.07890	0.00120	0.29214	616.0	18.0	489.4	7.4	1081	78	DISC	DISC	20.6	Single Age
IOS1718_25	1297	63.90	0.93000	0.15000	0.08310	0.00210	0.81804	630.0	62.0	514.0	13.0	960	190	DISC	DISC	18.4	Single Age
IOS1718_26	247.4	10.76	1.70900	0.03100	0.16900	0.00240	0.52553	1010.0	12.0	1006.0	13.0	1013	33	1006.0	13.0	0.4	Single Age
IOS1718_27	500	2.16	0.95400	0.02000	0.11030	0.00140	0.63818	679.0	10.0	674.1	8.1	684	34	674.1	8.1	0.7	Single Age
IOS1718_28	132	1.52	0.96500	0.03200	0.10940	0.00220	0.37451	684.0	17.0	669.0	13.0	728	67	669.0	13.0	2.2	Single Age

Table A3, con't.

IOS1718_29	704	1.93	2.07100	0.04700	0.19000	0.00360	0.77329	1136.0	15.0	1121.0	19.0	1163	28	1121.0	19.0	1.3	Single Age
IOS1718_30	2080	42.80	0.43400	0.03300	0.05050	0.00200	0.67122	372.0	27.0	317.0	12.0	700	110	DISC	DISC	14.8	Rim
IOS1718_30	284	2.71	0.86800	0.02800	0.09910	0.00260	0.53667	632.0	15.0	609.0	15.0	711	60	609.0	15.0	3.6	Core
IOS1718_31	1810	16.30	1.33500	0.07200	0.08940	0.00390	0.75123	859.0	31.0	552.0	23.0	1762	69	DISC	DISC	35.7	Rim
IOS1718_31	385	1.59	10.94000	0.21000	0.47580	0.00960	0.79067	2514.0	18.0	2506.0	42.0	2522	21	2522.0	21.0	0.6	Core
IOS1718_32	514	2.51	0.62600	0.01800	0.07630	0.00120	0.41724	491.0	11.0	473.8	7.4	560	53	473.8	7.4	3.5	Single Age
IOS1718_33	199.6	1.60	1.80800	0.04000	0.17250	0.00270	0.62445	1045.0	15.0	1026.0	15.0	1081	36	1026.0	15.0	1.8	Single Age
IOS1718_34	217	1.39	1.69900	0.02900	0.16700	0.00210	0.37822	1007.0	11.0	995.0	12.0	1025	34	995.0	12.0	1.2	Single Age
IOS1718_35	80.2	0.68	9.72000	0.20000	0.40140	0.00630	0.67867	2406.0	19.0	2174.0	29.0	2609	26	2609.0	26.0	16.7	Single Age
IOS1718_36	163.2	1.60	1.43600	0.03200	0.14670	0.00200	0.43613	901.0	13.0	882.0	11.0	939	42	882.0	11.0	2.1	Single Age
IOS1718_37	348	2.91	8.52000	0.15000	0.42030	0.00680	0.76404	2284.0	16.0	2260.0	31.0	2307	21	2307.0	21.0	2.0	Single Age
IOS1718_38	316.1	1.22	1.58100	0.03000	0.15070	0.00210	0.47651	960.0	12.0	905.0	12.0	1090	34	905.0	12.0	5.7	Single Age
IOS1718_39	108.4	15.70	1.56900	0.04200	0.15670	0.00260	0.28114	955.0	17.0	938.0	14.0	995	54	938.0	14.0	1.8	Single Age
IOS1718_40	570	67.00	0.76200	0.02700	0.09000	0.00240	0.71530	574.0	15.0	556.0	14.0	641	54	556.0	14.0	3.1	Rim
IOS1718_40	510	1.10	1.95700	0.04200	0.18270	0.00350	0.66695	1099.0	14.0	1081.0	19.0	1134	33	1081.0	19.0	1.6	Core
IOS1718_41	90.7	0.72	1.80000	0.04400	0.17920	0.00280	0.45529	1044.0	16.0	1062.0	15.0	1001	44	1062.0	15.0	1.7	Single Age
IOS1718_42	967	11.28	10.13000	0.15000	0.44050	0.00600	0.78427	2443.0	14.0	2351.0	27.0	2520	16	2520.0	16.0	6.7	Single Age
IOS1718_43	273	2.15	0.86200	0.02300	0.09820	0.00180	0.51798	630.0	13.0	603.0	11.0	718	51	603.0	11.0	4.3	Single Age
IOS1718_44	820	24.40	0.39500	0.01700	0.04810	0.00150	0.61246	337.0	12.0	302.7	9.0	551	79	DISC	DISC	10.2	Rim
IOS1718_44	36.24	3.51	0.75000	0.04200	0.09390	0.00250	0.30373	563.0	24.0	578.0	15.0	500	110	578.0	15.0	2.7	Core
IOS1718_45	1818	16.20	6.05000	0.18000	0.30790	0.00520	0.86268	1975.0	26.0	1729.0	25.0	2243	31	2243.0	31.0	22.9	Single Age
IOS1718_46	1540	46.00	0.83100	0.04500	0.09830	0.00440	0.91921	611.0	24.0	604.0	26.0	639	47	604.0	26.0	1.1	Rim
IOS1718_46	241	0.89	1.64200	0.03000	0.16640	0.00260	0.43389	985.0	11.0	992.0	15.0	977	38	992.0	15.0	0.7	Core
IOS1718_47	506	3.43	0.73000	0.01300	0.08940	0.00120	0.52656	556.2	7.4	552.7	7.3	566	33	552.7	7.3	0.6	Single Age
IOS1718_48	303.6	7.13	0.98700	0.02000	0.11260	0.00160	0.59439	695.0	10.0	687.7	9.5	715	36	687.7	9.5	1.1	Single Age
IOS1718_49	100.3	1.03	0.91200	0.02500	0.10710	0.00150	0.05784	655.0	13.0	655.5	8.8	647	66	655.5	8.8	0.1	Single Age
IOS1718_50	1381	10.99	0.95200	0.03600	0.10590	0.00120	0.72293	670.0	11.0	648.6	7.2	740	34	648.6	7.2	3.2	Single Age

Table A3, con't.

IOS1718_51	80.6	1.05	1.41500	0.03500	0.15000	0.00220	0.24495	893.0	15.0	901.0	12.0	865	54	901.0	12.0	0.9	Single Age
IOS1718_52	384.8	2.44	0.79000	0.02400	0.08780	0.00200	0.61488	590.0	14.0	542.0	12.0	786	50	542.0	12.0	8.1	Single Age
IOS1718_53	518	1.54	1.62800	0.03800	0.15810	0.00250	0.72620	978.0	15.0	946.0	14.0	1050	33	946.0	14.0	3.3	Single Age
IOS1718_54	3410	9.13	0.71200	0.03100	0.08350	0.00380	0.70594	544.0	18.0	516.0	22.0	667	72	516.0	22.0	5.1	Rim
IOS1718_54	1108	5.27	0.89700	0.02600	0.10370	0.00290	0.77153	648.0	14.0	636.0	17.0	695	38	636.0	17.0	1.9	Core
IOS1718_55	471	2.52	5.38000	0.20000	0.27590	0.00830	0.92687	1870.0	35.0	1568.0	42.0	2232	29	DISC	DISC	29.7	Single Age
IOS1718_56	1880	0.88	0.76200	0.01200	0.09300	0.00140	0.73847	575.0	7.3	573.2	8.5	584	24	573.2	8.5	0.3	Single Age
IOS1718_57	263.7	1.22	11.48000	0.19000	0.47940	0.00790	0.81742	2560.0	15.0	2522.0	34.0	2595	16	2595.0	16.0	2.8	Single Age
IOS1718_58	865	2.75	0.77000	0.01400	0.09300	0.00140	0.60198	578.7	8.0	573.0	8.2	609	31	573.0	8.2	1.0	Single Age
IOS1718_59	156.9	0.70	1.82800	0.07200	0.16020	0.00300	0.44106	1047.0	23.0	957.0	17.0	1238	61	957.0	17.0	8.6	Single Age
IOS1718_60	546	11.11	0.84600	0.02300	0.10120	0.00210	0.60352	622.0	13.0	621.0	12.0	623	52	621.0	12.0	0.2	Rim
IOS1718_60	73	2.35	1.71000	0.10000	0.17230	0.00540	0.61241	1001.0	39.0	1024.0	30.0	965	92	1024.0	30.0	2.3	Core
IOS1718_61	88.3	1.62	1.44100	0.07100	0.14680	0.00480	0.65891	900.0	30.0	882.0	27.0	953	74	882.0	27.0	2.0	Single Age
IOS1718_62	664	2.29	1.55500	0.03000	0.15700	0.00220	0.71098	951.0	12.0	940.0	12.0	983	26	940.0	12.0	1.2	Single Age
IOS1718_65 (2)	119.8	1.11	0.72300	0.02500	0.08830	0.00180	0.41195	549.0	15.0	545.0	11.0	546	69	545.0	11.0	0.7	Single Age
IOS1718_66	476	0.89	1.31700	0.03200	0.13300	0.00210	0.72501	850.0	14.0	805.0	12.0	969	31	805.0	12.0	5.3	Single Age
IOS1718_67 (2)	83.9	0.80	10.89000	0.26000	0.45200	0.01000	0.78145	2508.0	22.0	2399.0	44.0	2608	24	2608.0	24.0	8.0	Single Age
IOS1718_68 (2)	1650	16.40	0.44500	0.01800	0.05000	0.00170	0.14377	373.0	12.0	315.0	10.0	750	130	DISC	DISC	15.5	Rim
IOS1718_68 (2)	270	3.33	0.71100	0.01900	0.08810	0.00160	0.52452	545.0	11.0	543.8	9.8	543	50	543.8	9.8	0.2	Core
IOS1718_69 (2)	128.8	1.66	1.51800	0.03300	0.15660	0.00220	0.28762	937.0	13.0	938.0	12.0	932	44	938.0	12.0	0.1	Single Age
IOS1718_70 (2)	86.4	2.35	1.06900	0.03500	0.11960	0.00200	0.27892	733.0	17.0	728.0	12.0	732	66	728.0	12.0	0.7	Single Age
IOS1718_71 (2)	207	0.59	1.76400	0.03800	0.17410	0.00270	0.61037	1031.0	15.0	1034.0	15.0	1029	35	1034.0	15.0	0.3	Single Age
IOS1718_72 (2)	187.9	2.10	13.89000	0.23000	0.46500	0.00680	0.59103	2739.0	15.0	2460.0	30.0	2955	22	2955.0	22.0	16.8	Single Age
IOS1718_73 (2)	308	1.50	1.76200	0.02900	0.17180	0.00210	0.61594	1030.0	11.0	1022.0	11.0	1043	26	1022.0	11.0	0.8	Single Age
IOS1718_74 (2)	173	7.84	0.80200	0.02000	0.09770	0.00170	0.42320	596.0	11.0	601.0	9.9	587	48	601.0	9.9	0.8	Single Age
IOS1718_75 (1)	1257	15.60	0.54800	0.02200	0.06580	0.00200	0.81691	442.0	14.0	411.0	12.0	600	51	411.0	12.0	7.0	Rim

Table A3, con't.

IOS1718_75 (1)	221	2.55	0.91500	0.03200	0.10660	0.00270	0.53627	658.0	17.0	653.0	16.0	685	66	653.0	16.0	0.8	Core
IOS1718_75	744	4.55	0.52600	0.02200	0.06440	0.00250	0.72248	428.0	15.0	402.0	15.0	566	66	402.0	15.0	6.1	Rim
IOS1718_75	146	1.33	0.90700	0.02500	0.10570	0.00180	0.33375	656.0	14.0	647.0	11.0	671	62	647.0	11.0	1.4	Core
IOS1718_76	866	48.10	0.78300	0.03100	0.09190	0.00270	0.73545	585.0	18.0	567.0	16.0	688	65	567.0	16.0	3.1	Rim
IOS1718_76	506	5.70	5.09000	0.12000	0.29520	0.00620	0.81508	1832.0	20.0	1666.0	31.0	2025	24	2025.0	24.0	17.7	Core
IOS1718_77	55.3	0.32	5.86000	0.13000	0.35890	0.00610	0.49079	1951.0	20.0	1975.0	29.0	1929	37	1929.0	37.0	2.4	Single Age
IOS1718_78	1140	19.60	0.40900	0.02900	0.04490	0.00180	0.76439	346.0	21.0	283.0	11.0	763	92	DISC	DISC	18.2	Rim
IOS1718_78	44.5	1.11	1.16000	0.09400	0.12850	0.00600	0.44365	770.0	44.0	778.0	34.0	720	160	778.0	34.0	1.0	Core
IOS1718_79	319	2.76	16.31000	0.39000	0.55800	0.01000	0.75772	2890.0	23.0	2857.0	43.0	2912	26	2912.0	26.0	1.9	Single Age
IOS1718_80	142.6	1.20	0.92800	0.02400	0.10570	0.00160	0.33844	664.0	13.0	647.2	9.6	697	56	647.2	9.6	2.5	Single Age
IOS1718_81	70.9	1.58	1.59300	0.04800	0.15940	0.00280	0.48220	962.0	19.0	953.0	16.0	968	56	953.0	16.0	0.9	Single Age
IOS1718_82	294	3.57	1.86500	0.03700	0.18130	0.00310	0.68344	1066.0	13.0	1074.0	17.0	1054	32	1074.0	17.0	0.8	Single Age
IOS1718_83	1810	17.10	0.44400	0.03200	0.05690	0.00310	0.89589	372.0	22.0	357.0	19.0	453	69	357.0	19.0	4.0	Rim
IOS1718_83	62.4	0.69	0.81400	0.03300	0.09600	0.00180	0.25685	600.0	19.0	591.0	10.0	602	86	591.0	10.0	1.5	Core
IOS1718_84	2500	40.20	0.36300	0.02400	0.04410	0.00300	0.82644	313.0	18.0	278.0	19.0	579	85	DISC	DISC	11.2	Rim
IOS1718_84	138.8	1.11	1.70600	0.04000	0.16820	0.00290	0.41000	1008.0	15.0	1002.0	16.0	1009	47	1002.0	16.0	0.6	Core
IOS1718_85	2027	12.26	0.61400	0.01600	0.07460	0.00190	0.83855	484.6	9.7	463.0	11.0	576	29	463.0	11.0	4.5	Single Age
IOS1718_86	2480	2.74	0.71300	0.01300	0.08500	0.00140	0.75307	545.8	7.9	525.8	8.6	622	27	525.8	8.6	3.7	Single Age
IOS1718_87	252	1.34	11.77000	0.26000	0.48490	0.00930	0.78604	2582.0	20.0	2546.0	40.0	2606	24	2606.0	24.0	2.3	Single Age
IOS1718_88	152	0.99	1.44100	0.03400	0.14340	0.00220	0.53749	903.0	14.0	864.0	13.0	989	43	864.0	13.0	4.3	Single Age
IOS1718_89	112.1	1.28	1.71800	0.03800	0.16930	0.00260	0.52312	1014.0	14.0	1008.0	14.0	1015	40	1008.0	14.0	0.6	Single Age
IOS1718_90	322	1.27	0.87000	0.02800	0.10230	0.00280	0.65674	633.0	15.0	627.0	17.0	643	55	627.0	17.0	0.9	Single Age
IOS1718_91	80.9	2.60	2.56000	0.31000	0.15750	0.00420	0.81086	1224.0	71.0	942.0	23.0	1710	150	DISC	DISC	23.0	Single Age
IOS1718_92	232.7	1.26	0.73500	0.02200	0.09110	0.00190	0.43012	561.0	14.0	562.0	11.0	538	65	562.0	11.0	0.2	Single Age
IOS1718_93	482	6.14	1.79000	0.03000	0.17430	0.00270	0.59988	1040.0	11.0	1035.0	15.0	1045	28	1035.0	15.0	0.5	Single Age
IOS1718_94	140	2.60	0.69800	0.02800	0.08200	0.00190	0.16968	535.0	17.0	508.0	11.0	630	90	508.0	11.0	5.0	Single Age
IOS1718_95	385	2.35	5.54500	0.08800	0.31810	0.00450	0.68766	1905.0	14.0	1779.0	22.0	2038	21	2038.0	21.0	12.7	Single Age

Table A3, con't.

IOS1718_96	893	3.88	1.72800	0.03500	0.16380	0.00310	0.82018	1017.0	13.0	977.0	17.0	1101	22	977.0	17.0	3.9	Single Age
IOS1718_97	142	0.98	0.83300	0.02400	0.09890	0.00180	0.38654	614.0	13.0	607.0	11.0	613	61	607.0	11.0	1.1	Single Age
IOS1718_98	28.4	5.34	0.95700	0.05300	0.11080	0.00330	0.39561	673.0	28.0	677.0	19.0	630	110	677.0	19.0	0.6	Single Age
IOS1718_99	160	2.20	0.77600	0.02500	0.09120	0.00190	0.44718	580.0	14.0	562.0	11.0	627	56	562.0	11.0	3.1	Single Age
IOS1718_100	607	42.60	9.53000	0.24000	0.41120	0.00840	0.84934	2386.0	23.0	2226.0	41.0	2521	23	2521.0	23.0	11.7	Single Age
IOS1718_101	809	0.66	0.74600	0.02900	0.08360	0.00250	0.69214	564.0	17.0	517.0	15.0	754	61	517.0	15.0	8.3	Rim
IOS1718_101	284	3.23	0.88100	0.04600	0.09910	0.00410	0.65749	638.0	24.0	609.0	24.0	754	91	609.0	24.0	4.5	Core
IOS1718_102	311	2.04	0.90000	0.02700	0.10390	0.00230	0.58001	648.0	14.0	636.0	14.0	681	51	636.0	14.0	1.9	Single Age
IOS1718_103	189	2.28	1.34200	0.03400	0.14520	0.00280	0.39912	861.0	15.0	874.0	16.0	822	50	874.0	16.0	1.5	Single Age
IOS1718_104	282	1.57	0.90500	0.03100	0.10370	0.00280	0.57244	652.0	17.0	636.0	16.0	697	63	636.0	16.0	2.5	Rim
IOS1718_104	531	1.50	1.28900	0.03600	0.13860	0.00300	0.70151	839.0	16.0	836.0	17.0	837	40	836.0	17.0	0.4	Core
IOS1718_105	158	0.79	11.96000	0.23000	0.49320	0.00790	0.69097	2598.0	18.0	2583.0	34.0	2605	24	2605.0	24.0	0.8	Single Age
IOS1718_106	328	8.20	0.75100	0.01700	0.09170	0.00130	0.52308	567.1	9.9	566.5	8.1	559	40	566.5	8.1	0.1	Single Age
IOS1718_107	1459	47.40	0.93500	0.01900	0.10780	0.00210	0.68794	669.0	10.0	660.0	12.0	686	34	660.0	12.0	1.3	Single Age
IOS1718_108	299	1.12	0.65500	0.01500	0.08190	0.00140	0.40282	511.3	9.4	507.5	8.6	507	51	507.5	8.6	0.7	Single Age
IOS1718_109	2080	3.41	0.75600	0.01100	0.09210	0.00140	0.65793	571.1	6.5	567.7	8.2	576	27	567.7	8.2	0.6	Single Age
IOS1718_110	366	1.71	10.54000	0.26000	0.44500	0.01000	0.74425	2477.0	23.0	2375.0	48.0	2563	29	2563.0	29.0	7.3	Single Age
IOS1718_111	684	1.92	0.90500	0.01900	0.10470	0.00190	0.64518	653.0	10.0	642.0	11.0	687	36	642.0	11.0	1.7	Single Age
IOS1718_112	112.9	2.25	1.21300	0.03500	0.13120	0.00250	0.41635	803.0	16.0	794.0	14.0	825	58	794.0	14.0	1.1	Single Age
IOS1718_113	1418	0.70	0.74700	0.01900	0.09110	0.00190	0.82065	564.0	11.0	562.0	11.0	568	30	562.0	11.0	0.4	Single Age
IOS1718_114	74.9	1.46	0.91800	0.03100	0.10910	0.00240	0.24969	658.0	17.0	667.0	14.0	597	79	667.0	14.0	1.4	Single Age
IOS1718_115	173.1	2.19	6.48000	0.13000	0.35010	0.00680	0.70537	2040.0	18.0	1933.0	32.0	2147	25	2147.0	25.0	10.0	Single Age
IOS1718_116	670	7.51	0.47300	0.03000	0.05880	0.00300	0.56204	392.0	20.0	368.0	18.0	520	120	368.0	18.0	6.1	Rim
IOS1718_116	117.1	1.18	0.92200	0.03000	0.10840	0.00260	0.46655	660.0	16.0	663.0	15.0	664	63	663.0	15.0	0.5	Core
IOS1718_117	123	1.45	1.33200	0.03500	0.14380	0.00280	0.46743	858.0	16.0	866.0	16.0	830	52	866.0	16.0	0.9	Single Age
IOS1718_118	94.4	0.95	5.64000	0.12000	0.34020	0.00620	0.65432	1919.0	19.0	1886.0	30.0	1956	30	1956.0	30.0	3.6	Single Age

Table A3, con't.

IOS1718_119	219	1.28	0.89500	0.02600	0.10520	0.00190	0.49521	646.0	14.0	645.0	11.0	651	52	645.0	11.0	0.2	Single Age
IOS1718_120	22.2	3.02	2.87000	0.23000	0.20100	0.01100	0.65083	1342.0	62.0	1174.0	58.0	1610	120	DISC	DISC	12.5	Single Age
IOS1718_121	347.8	0.65	5.61600	0.09700	0.34250	0.00600	0.69138	1917.0	15.0	1897.0	29.0	1945	24	1945.0	24.0	2.5	Single Age
IOS1718_122	978	1.32	1.75200	0.03000	0.17380	0.00280	0.70124	1026.0	11.0	1032.0	15.0	1017	27	1032.0	15.0	0.6	Single Age
IOS1718_123	1481	1.51	1.67700	0.03000	0.16480	0.00250	0.76878	998.0	11.0	983.0	14.0	1036	23	983.0	14.0	1.5	Single Age
IOS1718_124	84.5	0.35	5.00000	0.10000	0.30370	0.00470	0.60387	1816.0	17.0	1709.0	23.0	1942	31	1942.0	31.0	12.0	Single Age
IOS1718_125	644	1.96	1.19800	0.03000	0.13350	0.00280	0.76578	798.0	14.0	807.0	16.0	776	35	807.0	16.0	1.1	Single Age
IOS1718_126	99.7	1.70	2.16000	0.19000	0.17120	0.00570	0.77548	1177.0	68.0	1025.0	34.0	1440	130	DISC	DISC	12.9	Single Age
IOS1718_127	101.6	2.13	1.02800	0.02900	0.12120	0.00250	0.47663	715.0	14.0	737.0	14.0	656	58	737.0	14.0	3.1	Single Age
IOS1718_129	274	1.15	0.99100	0.03100	0.11030	0.00190	0.44839	693.0	14.0	675.0	11.0	766	49	675.0	11.0	2.6	Single Age
IOS1718_130	850	11.10	0.74600	0.01700	0.08690	0.00180	0.58372	564.6	9.7	537.0	10.0	694	40	537.0	10.0	4.9	Rim
IOS1718_130	223	1.34	0.98900	0.05300	0.11230	0.00300	0.46239	694.0	25.0	686.0	17.0	719	84	686.0	17.0	1.2	Core

SAMPLE NAME: IOS1720

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1720_1	285	6.71	1.48300	0.03700	0.15160	0.00320	0.46703	925.0	14.0	910.0	18.0	949	50	910.0	18.0	1.6	Single Age
IOS1720_2	665	47.90	0.85700	0.01700	0.10020	0.00200	0.61714	629.0	10.0	616.0	12.0	675	40	616.0	12.0	2.1	Single Age
IOS1720_3	502	9.00	1.20500	0.03200	0.13060	0.00250	0.76038	799.0	14.0	791.0	14.0	828	34	791.0	14.0	1.0	Single Age
IOS1720_4	522	3.02	0.90700	0.02400	0.10480	0.00240	0.43498	653.0	13.0	642.0	14.0	692	44	642.0	14.0	1.7	Single Age
IOS1720_5	79.4	4.53	9.63000	0.20000	0.39160	0.00740	0.70711	2395.0	19.0	2128.0	34.0	2634	25	2634.0	25.0	19.2	Single Age
IOS1720_6	219	14.60	0.98100	0.07300	0.08300	0.00280	0.59696	678.0	35.0	513.0	16.0	1180	110	DISC	DISC	24.3	Single Age
IOS1720_7	145	5.11	1.04200	0.03100	0.10830	0.00200	0.20914	722.0	15.0	663.0	12.0	905	66	663.0	12.0	8.2	Single Age
IOS1720_8	35.7	0.84	0.58500	0.03500	0.07550	0.00190	0.20183	460.0	23.0	469.0	12.0	390	120	469.0	12.0	2.0	Single Age

Table A3, con’t.

IOS1720_9	601	2.54	0.85100	0.02800	0.09920	0.00270	0.76799	623.0	15.0	609.0	16.0	671	44	609.0	16.0	2.2	Single Age
IOS1720_10	154.1	1.69	0.79100	0.01900	0.09480	0.00190	0.34674	594.0	12.0	583.0	11.0	639	53	583.0	11.0	1.9	Single Age
IOS1720_11	420	37.10	0.49300	0.01700	0.04850	0.00110	0.55464	406.0	12.0	305.1	6.5	1016	59	DISC	DISC	24.9	Single Age
IOS1720_12	146.7	3.35	0.91900	0.03000	0.09970	0.00250	0.39892	658.0	16.0	612.0	15.0	811	57	612.0	15.0	7.0	Single Age
IOS1720_13	304	1.34	4.49100	0.09700	0.29720	0.00510	0.72533	1727.0	18.0	1677.0	25.0	1789	28	1789.0	28.0	6.3	Single Age
IOS1720_14	137.3	0.76	8.57000	0.21000	0.35500	0.00850	0.69773	2289.0	22.0	1956.0	40.0	2598	29	2598.0	29.0	24.7	Single Age
IOS1720_15	368.1	3.91	0.99600	0.01900	0.11220	0.00160	0.54498	700.9	9.7	685.2	9.3	750	35	685.2	9.3	2.2	Single Age
IOS1720_16	111.6	2.23	0.76200	0.02400	0.08980	0.00220	0.27351	573.0	14.0	554.0	13.0	650	77	554.0	13.0	3.3	Single Age
IOS1720_17	997	0.89	1.08900	0.02300	0.12210	0.00220	0.75298	747.0	11.0	743.0	13.0	767	28	743.0	13.0	0.5	Single Age
IOS1720_18	56.5	1.88	0.70000	0.02800	0.08290	0.00200	0.23737	535.0	17.0	513.0	12.0	610	89	513.0	12.0	4.1	Single Age
IOS1720_19	228.8	1.63	0.81800	0.02100	0.09640	0.00180	0.49570	605.0	11.0	593.0	10.0	639	48	593.0	10.0	2.0	Single Age
IOS1720_20	242	1.83	0.90600	0.03300	0.09480	0.00270	0.51911	653.0	17.0	584.0	16.0	898	67	DISC	DISC	10.6	Single Age
IOS1720_21	84.6	4.23	0.74600	0.02600	0.08890	0.00200	0.40924	563.0	15.0	549.0	12.0	620	73	549.0	12.0	2.5	Single Age
IOS1720_22	185.9	2.32	0.81400	0.01900	0.09530	0.00140	0.30934	603.0	11.0	586.4	8.3	670	52	586.4	8.3	2.8	Single Age
IOS1720_23	548	1.47	0.76000	0.01200	0.09140	0.00120	0.41544	573.0	6.8	563.7	7.1	609	32	563.7	7.1	1.6	Single Age
IOS1720_24	127.3	1.74	5.56000	0.13000	0.31890	0.00590	0.61900	1906.0	20.0	1783.0	29.0	2046	30	2046.0	30.0	12.9	Single Age
IOS1720_25	1048	166.10	0.91000	0.01600	0.10770	0.00180	0.64965	657.7	8.2	659.0	11.0	648	31	659.0	11.0	0.2	Single Age
IOS1720_26	321	3.00	0.86700	0.02000	0.10040	0.00170	0.52479	632.0	11.0	617.0	10.0	686	44	617.0	10.0	2.4	Single Age
IOS1720_27	522	14.30	0.91200	0.01600	0.10480	0.00150	0.43807	657.1	8.5	642.4	8.5	719	37	642.4	8.5	2.2	Single Age
IOS1720_28	113	0.87	1.62300	0.04500	0.16370	0.00300	0.32024	979.0	18.0	977.0	16.0	979	58	977.0	16.0	0.2	Single Age
IOS1720_29	53.3	1.06	6.59000	0.17000	0.31010	0.00660	0.50679	2053.0	22.0	1740.0	32.0	2389	40	DISC	DISC	27.2	Single Age
IOS1720_30	53.1	1.76	1.47100	0.06600	0.13830	0.00430	0.40293	914.0	27.0	834.0	24.0	1106	82	834.0	24.0	8.8	Single Age
IOS1720_31	316	3.72	0.91800	0.02000	0.10550	0.00180	0.42108	660.0	11.0	646.0	10.0	706	46	646.0	10.0	2.1	Single Age
IOS1720_32	294	1.13	8.44000	0.29000	0.37700	0.01200	0.85034	2275.0	31.0	2060.0	56.0	2470	27	2470.0	27.0	16.6	Single Age
IOS1720_33	519	2.61	0.84900	0.01500	0.09690	0.00150	0.47411	624.8	8.3	596.1	8.5	725	33	596.1	8.5	4.6	Single Age

Table A3, con't.

IOS1720_34	148.1	1.62	0.79700	0.02600	0.09690	0.00190	0.45776	593.0	14.0	596.0	11.0	592	56	596.0	11.0	0.5	Single Age
IOS1720_35	759	2.11	1.13200	0.02200	0.12080	0.00180	0.50786	767.0	11.0	735.0	11.0	877	35	735.0	11.0	4.2	Single Age
IOS1720_36	671	28.80	0.07460	0.00710	0.01031	0.00089	0.50683	73.0	6.7	66.1	5.7	320	190	66.1	5.7	9.5	Rim
IOS1720_36	125.6	0.53	1.07600	0.05200	0.10890	0.00370	0.68553	738.0	25.0	666.0	21.0	957	72	666.0	21.0	9.8	Core
IOS1720_37	76.3	1.39	0.66700	0.02700	0.07230	0.00170	0.47437	516.0	16.0	450.0	10.0	818	71	DISC	DISC	12.8	Single Age
IOS1720_38	1295	4.09	0.79000	0.01300	0.09360	0.00130	0.66384	590.6	7.6	576.5	7.6	647	28	576.5	7.6	2.4	Single Age
IOS1720_39	363	3.67	0.87300	0.01700	0.10150	0.00170	0.57653	637.2	9.6	623.0	10.0	689	37	623.0	10.0	2.2	Single Age
IOS1720_40	80.9	3.94	1.15900	0.04200	0.12460	0.00270	0.48044	778.0	19.0	756.0	16.0	834	65	756.0	16.0	2.8	Single Age
IOS1720_41	596	12.90	0.87100	0.01800	0.10370	0.00180	0.52334	635.1	9.6	636.0	10.0	633	40	636.0	10.0	0.1	Single Age
IOS1720_42	352	49.00	0.47800	0.02100	0.06180	0.00250	0.40900	396.0	14.0	386.0	15.0	453	96	386.0	15.0	2.5	Single Age
IOS1720_43	291.5	1.65	1.06000	0.02400	0.11150	0.00190	0.59858	733.0	12.0	681.0	11.0	886	38	681.0	11.0	7.1	Single Age
IOS1720_44	475	9.63	0.42400	0.02300	0.05510	0.00210	0.65261	357.0	16.0	345.0	13.0	426	89	345.0	13.0	3.4	Rim
IOS1720_44	275	1.84	0.68100	0.01900	0.08110	0.00160	0.41085	526.0	12.0	502.6	9.4	625	57	502.6	9.4	4.4	Core
IOS1720_45	1021	25.51	0.94000	0.01200	0.10930	0.00150	0.57846	673.1	6.6	668.8	8.4	690	27	668.8	8.4	0.6	Single Age
IOS1720_46	148.8	1.31	0.79700	0.02900	0.09540	0.00220	0.49190	592.0	16.0	587.0	13.0	601	70	587.0	13.0	0.8	Single Age
IOS1720_47	652	2.13	0.77900	0.01700	0.09250	0.00180	0.14974	584.1	9.9	570.0	11.0	640	46	570.0	11.0	2.4	Single Age
IOS1720_48	102.1	0.94	0.91100	0.03700	0.10600	0.00320	0.38766	652.0	19.0	649.0	18.0	658	87	649.0	18.0	0.5	Single Age
IOS1720_49	359	1.18	4.98000	0.10000	0.31900	0.00630	0.70822	1814.0	18.0	1783.0	31.0	1856	28	1856.0	28.0	3.9	Single Age
IOS1720_50	620	7.94	0.84400	0.02000	0.09910	0.00210	0.72730	621.0	11.0	609.0	12.0	659	37	609.0	12.0	1.9	Single Age
IOS1720_51	120	7.15	0.85400	0.03200	0.09880	0.00280	0.30144	625.0	17.0	607.0	17.0	685	82	607.0	17.0	2.9	Single Age
IOS1720_52	644	1.65	0.78900	0.01300	0.09450	0.00120	0.50909	589.9	7.4	582.2	7.3	614	33	582.2	7.3	1.3	Single Age
IOS1720_53	241	2.28	0.80300	0.01700	0.09720	0.00180	0.49694	597.5	9.7	597.0	11.0	611	42	597.0	11.0	0.1	Single Age
IOS1720_54	392	2.03	1.29300	0.02700	0.14020	0.00220	0.63416	842.0	12.0	845.0	12.0	833	35	845.0	12.0	0.4	Single Age
IOS1720_55	126	1.59	0.91200	0.02800	0.10550	0.00210	0.40571	657.0	15.0	646.0	12.0	675	63	646.0	12.0	1.7	Single Age
IOS1720_56	413	3.18	0.77300	0.01400	0.09470	0.00140	0.54355	581.5	8.3	582.8	8.0	578	36	582.8	8.0	0.2	Single Age

Table A3, con't.

IOS1720_57	50.3	1.15	1.00200	0.03600	0.11640	0.00200	0.14782	705.0	19.0	711.0	12.0	667	81	711.0	12.0	0.9	Single Age
IOS1720_58	92.2	1.36	1.08700	0.03600	0.12000	0.00320	0.53079	743.0	18.0	730.0	18.0	777	63	730.0	18.0	1.7	Single Age
IOS1720_59	1898	50.30	0.90500	0.02000	0.10450	0.00300	0.38187	654.0	11.0	640.0	18.0	702	61	640.0	18.0	2.1	Rim
IOS1720_59	402	1.57	1.10000	0.04200	0.12290	0.00400	0.77579	751.0	20.0	747.0	23.0	763	53	747.0	23.0	0.5	Core
IOS1720_60	68.7	0.76	1.09700	0.03700	0.12300	0.00260	0.38005	748.0	18.0	747.0	15.0	740	69	747.0	15.0	0.1	Single Age
IOS1720_61	514	1.08	0.79100	0.01800	0.09590	0.00180	0.66631	590.4	9.9	590.0	11.0	591	38	590.0	11.0	0.1	Single Age
IOS1720_62	276	7.14	0.79100	0.02600	0.09440	0.00250	0.70353	593.0	16.0	581.0	15.0	627	52	581.0	15.0	2.0	Single Age
IOS1720_63	224.2	4.49	0.86400	0.04900	0.08090	0.00240	0.36993	625.0	26.0	501.0	15.0	1090	110	DISC	DISC	19.8	Single Age
IOS1720_64	382	0.74	1.06100	0.02600	0.11990	0.00230	0.61016	732.0	13.0	732.0	14.0	731	44	732.0	14.0	0.0	Single Age
IOS1720_65	101.6	2.67	1.10500	0.03800	0.11770	0.00290	0.28025	753.0	18.0	717.0	17.0	852	75	717.0	17.0	4.8	Single Age
IOS1720_67 (2)	326	55.10	0.61400	0.03300	0.07320	0.00320	0.49735	485.0	21.0	455.0	19.0	610	110	455.0	19.0	6.2	Rim
IOS1720_67 (2)	194	2.19	1.27000	0.03900	0.13610	0.00360	0.61304	830.0	18.0	822.0	21.0	850	55	822.0	21.0	1.0	Core
IOS1720_68 (2)	261	4.10	11.6800	0.28000	0.46900	0.01000	0.78845	2571.0	22.0	2473.0	45.0	2656	24	2656.0	24.0	6.9	Single Age
IOS1720_69	198	1.62	1.58500	0.04900	0.15500	0.00330	0.47895	961.0	19.0	928.0	19.0	1016	55	928.0	19.0	3.4	Single Age
IOS1720_71 (2)	110	0.93	1.05300	0.04600	0.12270	0.00330	0.54430	729.0	23.0	745.0	19.0	610	79	745.0	19.0	2.2	Single Age
IOS1720_72 (2)	198.2	1.06	1.00800	0.03100	0.11610	0.00270	0.43373	706.0	15.0	708.0	16.0	671	56	708.0	16.0	0.3	Single Age
IOS1720_73 (2)	38	0.92	1.23600	0.05100	0.13660	0.00370	0.23719	811.0	23.0	825.0	21.0	740	95	825.0	21.0	1.7	Single Age
IOS1720_74 (2)	321	52.00	0.93400	0.03500	0.10770	0.00280	0.60524	670.0	19.0	659.0	16.0	654	69	659.0	16.0	1.6	Single Age
IOS1720_75 (2)	87.5	2.64	1.07700	0.04500	0.10610	0.00230	0.46034	739.0	23.0	649.0	14.0	966	81	DISC	DISC	12.2	Single Age
IOS1720_95 (2)	43	2.21	1.01500	0.04500	0.11390	0.00250	0.26041	705.0	23.0	695.0	15.0	684	94	695.0	15.0	1.4	Single Age
IOS1720_96 (2)	143.3	1.97	0.81600	0.02700	0.09230	0.00270	0.52321	606.0	16.0	569.0	16.0	740	69	569.0	16.0	6.1	Single Age
IOS1720_97 (2)	84.3	0.36	0.72200	0.02200	0.08980	0.00140	0.22571	549.0	13.0	554.0	8.4	512	67	554.0	8.4	0.9	Single Age
IOS1720_98 (2)	580	2.32	0.87700	0.02500	0.10180	0.00250	0.75005	638.0	14.0	625.0	15.0	682	42	625.0	15.0	2.0	Single Age
IOS1720_99 (2)	121	1.81	1.28500	0.02900	0.13910	0.00210	0.38951	836.0	13.0	841.0	12.0	822	45	841.0	12.0	0.6	Single Age
IOS1720_100 (2)	56.3	0.91	1.14400	0.04700	0.12120	0.00330	0.46243	769.0	22.0	737.0	19.0	861	75	737.0	19.0	4.2	Single Age

Table A3, con’t.

IOS1720_101 (2)	430	2.00	0.88100	0.03100	0.10270	0.00210	0.67466	638.0	16.0	630.0	12.0	665	54	630.0	12.0	1.3	Single Age
IOS1720_93	40	1.30	1.15200	0.04100	0.12240	0.00270	0.50902	772.0	19.0	744.0	15.0	837	69	744.0	15.0	3.6	Single Age
IOS1720_94	93.5	1.33	1.20200	0.04900	0.12910	0.00370	0.52991	799.0	23.0	783.0	21.0	832	75	783.0	21.0	2.0	Single Age
IOS1720_95	116.8	5.81	0.79300	0.02600	0.09420	0.00200	0.32806	591.0	15.0	580.0	12.0	616	73	580.0	12.0	1.9	Single Age
IOS1720_96	118.1	50.00	0.80300	0.03100	0.09180	0.00290	0.61018	595.0	17.0	566.0	17.0	686	67	566.0	17.0	4.9	Single Age
IOS1720_97	116.4	0.36	0.68100	0.02200	0.08070	0.00150	0.32959	524.0	13.0	500.3	8.6	608	65	500.3	8.6	4.5	Single Age
IOS1720_98	208.4	3.08	0.88300	0.02300	0.09870	0.00190	0.46788	641.0	12.0	606.0	11.0	757	50	606.0	11.0	5.5	Single Age
IOS1720_99	107.6	1.46	1.30800	0.03100	0.14040	0.00230	0.44966	846.0	13.0	846.0	13.0	838	44	846.0	13.0	0.0	Single Age
IOS1720_100	132	1.41	0.89500	0.04500	0.07820	0.00240	0.29577	647.0	25.0	486.0	14.0	1240	100	DISC	DISC	24.9	Rim
IOS1720_100	62.6	0.78	1.14900	0.04900	0.09800	0.00280	0.29983	772.0	24.0	602.0	17.0	1279	89	DISC	DISC	22.0	Core
IOS1720_101	401	2.07	0.89700	0.02000	0.09730	0.00160	0.52956	648.0	11.0	598.3	9.2	807	41	598.3	9.2	7.7	Single Age
IOS1720_102	357	2.40	0.80700	0.02200	0.09620	0.00200	0.70544	598.0	13.0	592.0	12.0	600	41	592.0	12.0	1.0	Single Age
IOS1720_103	868	16.10	0.52300	0.02900	0.06120	0.00220	0.54645	426.0	19.0	383.0	14.0	635	96	DISC	DISC	10.1	Rim
IOS1720_103	128.1	2.98	0.88400	0.02800	0.10400	0.00230	0.28330	643.0	16.0	637.0	13.0	645	71	637.0	13.0	0.9	Core
IOS1720_104	160.5	7.93	0.95100	0.02600	0.11020	0.00210	0.58908	676.0	14.0	673.0	12.0	673	50	673.0	12.0	0.4	Single Age
IOS1720_105	156	5.13	1.25800	0.06300	0.12680	0.00430	0.56069	823.0	27.0	769.0	25.0	954	83	769.0	25.0	6.6	Single Age
IOS1720_106	48.9	1.20	1.18100	0.03600	0.12880	0.00190	0.12324	787.0	17.0	782.0	11.0	772	69	782.0	11.0	0.6	Single Age
IOS1720_107	534	1.25	0.76400	0.02100	0.08850	0.00160	0.63087	574.0	12.0	546.5	9.3	652	42	546.5	9.3	4.8	Single Age
IOS1720_108	156	2.28	0.97800	0.02600	0.10510	0.00150	0.32356	690.0	13.0	644.0	8.8	843	54	644.0	8.8	6.7	Single Age
IOS1720_109	202.9	1.68	0.97900	0.04300	0.10680	0.00300	0.47918	693.0	23.0	654.0	17.0	784	82	654.0	17.0	5.6	Single Age
IOS1720_110	342	22.92	0.80100	0.01900	0.09680	0.00170	0.64242	596.0	11.0	596.0	10.0	575	41	596.0	10.0	0.0	Single Age
IOS1720_111	444	1.70	1.36100	0.04000	0.14390	0.00360	0.80404	869.0	17.0	866.0	20.0	863	37	866.0	20.0	0.3	Single Age
IOS1720_112	147.6	1.33	6.46000	0.16000	0.36050	0.00690	0.67437	2037.0	21.0	1983.0	33.0	2080	32	2080.0	32.0	4.7	Single Age
IOS1720_113	186.9	0.82	6.10000	0.24000	0.34800	0.01100	0.70285	1982.0	34.0	1920.0	53.0	2037	48	2037.0	48.0	5.7	Single Age
IOS1720_114	86.6	2.58	1.46100	0.03600	0.14990	0.00250	0.44631	911.0	15.0	902.0	14.0	910	48	902.0	14.0	1.0	Single Age

Table A3, con’t.

IOS1720_115	157.2	4.43	0.81700	0.02100	0.09750	0.00190	0.48702	604.0	12.0	600.0	11.0	597	52	600.0	11.0	0.7	Single Age
IOS1720_116	626	5.41	8.38000	0.19000	0.35950	0.00820	0.70606	2269.0	21.0	1978.0	39.0	2528	27	2528.0	27.0	21.8	Single Age
IOS1720_117	604	13.17	1.07900	0.03300	0.10770	0.00270	0.70217	741.0	16.0	659.0	16.0	981	45	DISC	DISC	11.1	Single Age
IOS1720_201	95	1.48	0.60000	0.02100	0.06930	0.00110	0.19973	476.0	13.0	431.9	6.5	663	76	431.9	6.5	9.3	Single Age
IOS1720_202	544	2.43	0.88900	0.03400	0.10660	0.00320	0.72170	644.0	18.0	653.0	19.0	606	57	653.0	19.0	1.4	Single Age
IOS1720_203	759	2.24	8.57000	0.44000	0.36300	0.01800	0.98746	2279.0	51.0	1977.0	87.0	2558	16	2558.0	16.0	22.7	Single Age
IOS1720_204	1460	135.00	0.04850	0.00550	0.00444	0.00041	0.07958	48.0	5.3	28.5	2.6	1140	270	DISC	DISC	40.6	Rim
IOS1720_204	60.1	0.50	1.28000	0.12000	0.10130	0.00260	0.43563	812.0	50.0	622.0	15.0	1280	160	DISC	DISC	23.4	Core
IOS1720_205	477.9	1.44	1.19800	0.02000	0.12800	0.00150	0.51315	798.4	9.2	776.3	8.7	862	31	776.3	8.7	2.8	Single Age
IOS1720_206	110	1.97	1.89100	0.04500	0.16930	0.00320	0.47410	1075.0	16.0	1008.0	18.0	1216	42	1008.0	18.0	6.2	Single Age
IOS1720_207	160.1	1.36	0.76000	0.01800	0.08600	0.00150	0.45390	572.0	11.0	531.4	9.1	726	48	531.4	9.1	7.1	Single Age
IOS1720_208	283	1.28	1.39100	0.02900	0.14360	0.00240	0.57710	886.0	12.0	865.0	13.0	932	35	865.0	13.0	2.4	Single Age
IOS1720_209	185	1.59	0.86800	0.02300	0.09070	0.00150	0.33067	632.0	12.0	559.7	8.8	891	56	DISC	DISC	11.4	Single Age
IOS1720_210	72.7	2.38	0.87400	0.03000	0.10520	0.00160	0.13138	636.0	16.0	644.7	9.5	592	73	644.7	9.5	1.4	Single Age
IOS1720_211	110.6	0.87	0.84300	0.02400	0.09990	0.00150	0.16991	621.0	14.0	613.7	9.1	641	66	613.7	9.1	1.2	Single Age
IOS1720_212	638	230.00	0.02650	0.00510	0.00381	0.00034	0.65007	26.5	5.1	24.5	2.2	200	330	24.5	2.2	7.5	Rim
IOS1720_212	1150	11.30	0.46900	0.05300	0.06140	0.00540	0.86806	389.0	36.0	384.0	33.0	410	120	384.0	33.0	1.3	Rim
IOS1720_212	270	1.36	0.84300	0.02000	0.09860	0.00210	0.49660	619.0	11.0	606.0	13.0	673	46	606.0	13.0	2.1	Core
IOS1720_213	197.9	1.18	0.72100	0.02200	0.08450	0.00170	0.57593	549.0	13.0	523.0	10.0	649	55	523.0	10.0	4.7	Single Age
IOS1720_214	436	41.60	0.03300	0.01000	0.00467	0.00071	0.06364	32.9	9.9	30.0	4.6	260	680	DISC	DISC	8.8	Rim
IOS1720_214	390	3.77	0.76400	0.01900	0.09420	0.00200	0.67327	576.0	11.0	580.0	11.0	557	44	580.0	11.0	0.7	Core
IOS1720_215	307.4	1.09	0.88500	0.02400	0.09970	0.00190	0.43277	642.0	13.0	612.0	11.0	736	54	612.0	11.0	4.7	Single Age
IOS1720_216	213	2.67	0.86300	0.01900	0.10130	0.00160	0.42425	631.0	11.0	622.1	9.1	656	46	622.1	9.1	1.4	Single Age
IOS1720_217	424	1.49	0.83100	0.02100	0.10040	0.00240	0.64796	612.0	12.0	616.0	14.0	599	44	616.0	14.0	0.7	Single Age
IOS1720_218	1660	403.00	0.02190	0.00280	0.00336	0.00021	0.35712	22.0	2.8	21.6	1.3	70	230	21.6	1.3	1.8	Rim

Table A3, con't.

IOS1720_218	64.4	2.72	0.94000	0.03300	0.11020	0.00190	0.08074	670.0	17.0	674.0	11.0	632	82	674.0	11.0	0.6	Core
IOS1720_219	1270	27.30	0.34800	0.01500	0.04620	0.00140	0.75369	303.0	12.0	291.3	8.5	387	64	291.3	8.5	3.9	Rim
IOS1720_219	91.8	1.54	0.85500	0.04300	0.09360	0.00170	0.06871	622.0	24.0	577.0	10.0	790	120	577.0	10.0	7.2	Core
IOS1720_220	222.3	1.83	2.88700	0.07800	0.19440	0.00280	0.54939	1380.0	22.0	1145.0	15.0	1764	43	DISC	DISC	17.0	Single Age
IOS1720_221	181.9	1.02	0.88100	0.02000	0.10180	0.00120	0.24252	640.0	11.0	624.7	7.2	685	49	624.7	7.2	2.4	Single Age
IOS1720_222	350	3.20	0.83600	0.01500	0.09140	0.00120	0.41747	616.0	8.0	563.5	7.0	824	34	563.5	7.0	8.5	Single Age
IOS1720_223	190.9	4.92	10.38000	0.37000	0.41500	0.01200	0.72544	2463.0	33.0	2233.0	53.0	2676	43	2676.0	43.0	16.6	Single Age
IOS1720_224	103.1	0.64	0.92000	0.03500	0.10740	0.00230	0.35716	659.0	18.0	657.0	13.0	652	79	657.0	13.0	0.3	Single Age
IOS1720_225	542	0.47	0.64700	0.02000	0.07860	0.00200	0.71565	505.0	12.0	487.0	12.0	584	47	487.0	12.0	3.6	Single Age
IOS1720_226	1456	1.89	9.33000	0.23000	0.37420	0.00910	0.81462	2366.0	23.0	2046.0	43.0	2666	26	2666.0	26.0	23.3	Single Age
IOS1720_227	220	16.80	1.20500	0.03900	0.13260	0.00260	0.32232	800.0	18.0	802.0	15.0	795	77	802.0	15.0	0.2	Single Age
IOS1720_228	150.7	2.13	0.93900	0.02000	0.10790	0.00170	0.33105	671.0	10.0	660.6	9.7	705	47	660.6	9.7	1.5	Single Age
IOS1720_229	525	7.70	0.99400	0.02700	0.12200	0.00300	0.56325	699.0	13.0	742.0	17.0	570	52	742.0	17.0	6.2	Single Age
IOS1720_230	284	3.28	1.53500	0.03200	0.15370	0.00280	0.57212	942.0	13.0	921.0	16.0	1001	36	921.0	16.0	2.2	Single Age
IOS1720_231	211	1.66	1.32400	0.03500	0.13820	0.00290	0.71173	856.0	16.0	834.0	17.0	914	39	834.0	17.0	2.6	Single Age
IOS1720_232	491	19.80	1.28400	0.03700	0.13590	0.00310	0.63735	836.0	16.0	821.0	18.0	881	46	821.0	18.0	1.8	Single Age
IOS1720_233	603	1.36	0.87600	0.01700	0.10340	0.00180	0.60559	637.8	9.0	634.0	10.0	653	34	634.0	10.0	0.6	Single Age
IOS1720_234	50.7	5.42	2.46000	0.15000	0.15110	0.00560	0.68353	1244.0	42.0	905.0	31.0	1887	81	DISC	DISC	27.3	Single Age
IOS1720_235	88.2	2.68	0.91300	0.02500	0.10700	0.00160	0.23280	656.0	13.0	654.9	9.2	645	60	654.9	9.2	0.2	Single Age
IOS1720_236	183.2	1.48	1.62900	0.03600	0.16560	0.00270	0.53263	979.0	14.0	988.0	15.0	967	42	988.0	15.0	0.9	Single Age
IOS1720_237	493	2.20	5.65000	0.20000	0.26270	0.00840	0.84488	1920.0	30.0	1503.0	43.0	2413	36	DISC	DISC	37.7	Single Age
IOS1720_238	1200	10.57	0.91500	0.01500	0.10700	0.00150	0.65320	658.9	7.9	655.3	8.5	670	28	655.3	8.5	0.5	Single Age
IOS1720_239	342.6	2.48	6.25000	0.15000	0.34710	0.00700	0.77404	2006.0	21.0	1918.0	34.0	2101	26	2101.0	26.0	8.7	Single Age
IOS1720_240	254.5	0.92	0.90300	0.02000	0.10360	0.00150	0.56493	652.0	10.0	635.0	8.9	703	37	635.0	8.9	2.6	Single Age
IOS1720_241	337.8	1.46	0.90100	0.01500	0.10110	0.00140	0.56331	652.1	7.9	620.6	8.1	759	31	620.6	8.1	4.8	Single Age

Table A3, con't.

IOS1720_242	1776	3.10	0.66200	0.02100	0.07930	0.00230	0.76962	515.0	13.0	492.0	14.0	620	47	492.0	14.0	4.5	Single Age
IOS1720_244	162.5	1.37	9.64000	0.14000	0.43240	0.00590	0.74449	2398.0	13.0	2315.0	27.0	2468	17	2468.0	17.0	6.2	Single Age
IOS1720_245	187.6	0.83	1.04600	0.02000	0.11990	0.00130	0.49022	725.4	9.9	729.8	7.3	700	36	729.8	7.3	0.6	Single Age
IOS1720_246	903	77.20	0.06600	0.01000	0.00870	0.00150	0.78318	65.0	10.0	55.9	9.3	400	240	DISC	DISC	14.0	Rim
IOS1720_246	900	13.30	0.32700	0.03200	0.03750	0.00180	0.33926	286.0	24.0	238.0	11.0	660	180	DISC	DISC	16.8	Rim
IOS1720_246	86.2	1.02	0.69300	0.04600	0.08020	0.00240	0.47571	530.0	27.0	497.0	14.0	610	130	497.0	14.0	6.2	Core
IOS1720_247	445	2.99	0.84900	0.01900	0.10030	0.00150	0.47382	623.0	10.0	615.9	8.8	636	40	615.9	8.8	1.1	Single Age
IOS1720_248	274	1.53	8.02000	0.20000	0.35190	0.00790	0.83992	2233.0	24.0	1942.0	38.0	2503	24	2503.0	24.0	22.4	Single Age
IOS1720_249	259.2	1.78	0.94400	0.02700	0.10230	0.00160	0.41079	673.0	14.0	627.5	9.6	810	56	627.5	9.6	6.8	Single Age
IOS1720_250	315.5	1.12	0.75500	0.02400	0.08560	0.00170	0.49451	572.0	14.0	529.0	10.0	718	61	529.0	10.0	7.5	Single Age

SAMPLE NAME: IOS1721

GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discordance**	**Rim/Core**
IOS1721_1	881	0.99	0.42900	0.01600	0.05650	0.00220	0.61846	362.0	11.0	354.0	13.0	407	71	354.0	13.0	2.2	Single Age
IOS1721_2	284.4	1.55	0.52400	0.02100	0.06540	0.00170	0.50227	427.0	14.0	408.0	10.0	507	78	408.0	10.0	4.4	Single Age
IOS1721_3	454	3.52	0.37800	0.04300	0.03230	0.00150	0.62125	319.0	30.0	204.8	9.3	1150	150	DISC	DISC	35.8	Single Age
IOS1721_4	756	1.90	0.51600	0.02400	0.06470	0.00210	0.56027	422.0	16.0	404.0	13.0	509	84	404.0	13.0	4.3	Rim
IOS1721_4	1019	1.96	0.56700	0.01000	0.07224	0.00097	0.46249	455.4	6.7	449.6	5.8	464	36	449.6	5.8	1.3	Core
IOS1721_5	484	1.65	0.53200	0.01400	0.06700	0.00130	0.38578	432.2	9.5	418.3	7.6	496	57	418.3	7.6	3.2	Rim
IOS1721_5	582	1.59	0.60300	0.02600	0.07720	0.00210	0.47221	478.0	17.0	479.0	13.0	462	81	479.0	13.0	0.2	Core
IOS1721_6	486	1.92	0.49900	0.01000	0.06463	0.00097	0.46184	410.0	6.9	403.6	5.8	434	42	403.6	5.8	1.6	Single Age
IOS1721_7	2088	3.15	0.26300	0.01400	0.03198	0.00081	0.39479	236.0	11.0	202.9	5.1	630	130	DISC	DISC	14.0	Single Age
IOS1721_8	598.3	1.65	0.53800	0.01100	0.06800	0.00100	0.47002	437.8	7.5	424.1	6.2	499	44	424.1	6.2	3.1	Single Age

Table A3, con't.

IOS1721_9	302	2.52	0.48100	0.02200	0.06450	0.00230	0.74810	396.0	15.0	403.0	14.0	354	66	403.0	14.0	1.8	Single Age
IOS1721_10	4620	68.80	0.07510	0.00530	0.00995	0.00066	0.55924	73.5	5.1	63.8	4.2	390	160	DISC	DISC	13.2	Rim
IOS1721_10	625	5.05	0.42200	0.03900	0.04860	0.00320	0.74992	354.0	27.0	306.0	20.0	650	120	DISC	DISC	13.6	Core
IOS1721_11	1059	2.22	0.48300	0.01400	0.06040	0.00170	0.71499	399.2	9.6	378.0	10.0	520	46	378.0	10.0	5.3	Single Age
IOS1721_12	6090	89.60	0.02210	0.00140	0.00314	0.00011	0.45348	22.1	1.4	20.2	0.7	230	120	20.2	0.7	8.5	Rim
IOS1721_12	384	3.19	0.30900	0.01800	0.03880	0.00220	0.83472	274.0	15.0	245.0	13.0	520	73	DISC	DISC	10.6	Core
IOS1721_13	4250	30.20	0.09670	0.00620	0.01121	0.00046	0.25997	93.7	5.8	71.9	2.9	680	180	DISC	DISC	23.3	Rim
IOS1721_13	264.3	2.09	0.52400	0.01600	0.06700	0.00120	0.38755	426.0	11.0	417.7	7.4	459	62	417.7	7.4	1.9	Core
IOS1721_14	4290	33.10	0.08180	0.00460	0.01034	0.00042	0.66574	79.8	4.3	66.3	2.7	494	98	DISC	DISC	16.9	Rim
IOS1721_14	238.1	2.62	0.52400	0.01700	0.06520	0.00120	0.44841	426.0	11.0	407.4	7.1	508	64	407.4	7.1	4.4	Core
IOS1721_15	0.015	no value	no value	NAN	no value	NAN	#VALUE!	no value	NAN	no value	NAN	no value	NAN	#####	#VALUE!	#VALUE!	Single Age
IOS1721_16	1865	13.30	0.10560	0.00760	0.01297	0.00059	0.79240	103.0	7.4	83.1	3.8	542	98	DISC	DISC	19.3	Rim
IOS1721_16	158.3	3.38	0.46500	0.02700	0.05570	0.00190	0.44047	386.0	18.0	349.0	12.0	630	120	349.0	12.0	9.6	Core
IOS1721_17	121.9	3.03	0.50600	0.03600	0.06610	0.00240	0.41960	412.0	24.0	412.0	15.0	400	130	412.0	15.0	0.0	Rim
IOS1721_17	110.9	2.29	0.94100	0.09700	0.11640	0.00460	0.62763	664.0	44.0	710.0	26.0	550	180	710.0	26.0	6.9	Core
IOS1721_18	2070	16.10	0.16960	0.00520	0.02193	0.00052	0.56143	159.0	4.5	139.8	3.3	447	57	DISC	DISC	12.1	Single Age
IOS1721_19	300	1.44	0.47700	0.02100	0.06270	0.00210	0.62906	395.0	15.0	392.0	13.0	410	79	392.0	13.0	0.8	Single Age
IOS1721_20	433	1.46	0.53700	0.02800	0.06210	0.00180	0.15599	434.0	18.0	388.0	11.0	660	110	DISC	DISC	10.6	Single Age
IOS1721_21	646	1.89	0.51600	0.01500	0.06050	0.00110	0.31841	423.0	11.0	378.5	6.9	652	58	DISC	DISC	10.5	Single Age
IOS1721_22	2430	31.40	0.06820	0.00570	0.00881	0.00038	0.36835	66.9	5.4	56.5	2.5	430	170	DISC	DISC	15.5	Rim
IOS1721_22	342	4.31	0.27100	0.01100	0.03081	0.00099	0.28926	243.2	8.9	195.6	6.2	721	95	DISC	DISC	19.6	Core
IOS1721_23	393	1.80	0.71600	0.03400	0.06250	0.00250	0.60805	547.0	20.0	391.0	15.0	1262	77	DISC	DISC	28.5	Single Age
IOS1721_24	4730	79.30	0.03400	0.00280	0.00452	0.00031	0.84606	33.9	2.8	29.1	2.0	390	100	DISC	DISC	14.2	Rim
IOS1721_24	768	2.29	0.57600	0.01700	0.07140	0.00150	0.67587	461.0	11.0	444.4	8.8	536	47	444.4	8.8	3.6	Core

Table A3, con't.

IOS1721_25	2650	22.50	0.08310	0.00650	0.01176	0.00071	0.64601	81.0	6.1	75.3	4.5	250	130	75.3	4.5	7.0	Rim
IOS1721_25	304	1.67	0.50800	0.02200	0.06490	0.00250	0.74238	416.0	15.0	405.0	15.0	476	66	405.0	15.0	2.6	Core
IOS1721_26	331.7	2.18	0.48200	0.02500	0.06060	0.00200	0.68533	397.0	17.0	379.0	12.0	499	80	379.0	12.0	4.5	Single Age
IOS1721_28	955	4.30	0.26300	0.01100	0.03430	0.00110	0.66100	237.1	8.5	217.6	6.7	434	72	217.6	6.7	8.2	Rim
IOS1721_28	502	2.10	0.55600	0.01500	0.07420	0.00170	0.55595	447.9	9.7	461.4	9.9	390	49	461.4	9.9	3.0	Core
IOS1721_29	1562	2.44	0.60000	0.01600	0.07400	0.00150	0.63287	476.0	10.0	460.2	9.2	542	43	460.2	9.2	3.3	Single Age
IOS1721_30	1369	3.67	0.36600	0.01700	0.04630	0.00180	0.62896	316.0	13.0	291.0	11.0	481	54	291.0	11.0	7.9	Single Age
IOS1721_31	7620	102.40	0.03040	0.00260	0.00416	0.00031	0.81261	30.4	2.5	26.7	2.0	330	110	DISC	DISC	12.2	Rim
IOS1721_31	1480	13.44	0.12010	0.00540	0.01510	0.00044	0.38367	116.0	5.2	96.6	2.8	507	88	DISC	DISC	16.7	Core
IOS1721_32	4780	23.00	0.09000	0.01600	0.00832	0.00042	0.76633	85.0	14.0	53.4	2.7	840	160	DISC	DISC	37.2	Rim
IOS1721_32	661	3.81	0.22500	0.02200	0.02810	0.00250	0.82984	205.0	18.0	179.0	16.0	520	140	DISC	DISC	12.7	Core
IOS1721_33	1130	10.97	0.23300	0.02000	0.02374	0.00068	0.03010	211.0	16.0	151.2	4.3	900	190	DISC	DISC	28.3	Single Age
IOS1721_34	250.1	1.26	0.54100	0.01800	0.07150	0.00170	0.41167	440.0	12.0	445.0	10.0	412	71	445.0	10.0	1.1	Single Age
IOS1721_35	453.9	1.75	0.54700	0.01300	0.07080	0.00130	0.42211	444.0	7.9	441.1	7.6	457	52	441.1	7.6	0.7	Single Age
IOS1721_36	6130	64.10	0.04770	0.00510	0.00677	0.00057	0.81673	47.3	5.0	43.5	3.6	183	93	43.5	3.6	8.0	Rim
IOS1721_36	866	5.67	0.32000	0.01900	0.04230	0.00230	0.80232	281.0	14.0	267.0	14.0	402	83	267.0	14.0	5.0	Core
IOS1721_37	1093	1.94	0.55100	0.01600	0.07170	0.00190	0.75596	445.0	11.0	446.0	11.0	441	44	446.0	11.0	0.2	Single Age
IOS1721_38	588	1.47	0.82900	0.05400	0.07240	0.00120	0.26305	600.0	28.0	450.3	7.4	1140	110	DISC	DISC	25.0	Single Age
IOS1721_39	1462	3.65	0.26930	0.00800	0.03580	0.00090	0.65748	241.8	6.4	226.7	5.6	393	52	226.7	5.6	6.2	Single Age
IOS1721_40	563	1.98	0.56500	0.02400	0.06880	0.00230	0.60499	452.0	15.0	429.0	14.0	559	77	429.0	14.0	5.1	Single Age
IOS1721_41	7310	66.50	0.03100	0.00310	0.00476	0.00044	0.79516	30.9	3.0	30.6	2.8	90	140	30.6	2.8	1.0	Rim
IOS1721_41	335	6.78	0.16550	0.00930	0.02218	0.00090	0.29808	155.1	8.1	141.4	5.6	370	120	141.4	5.6	8.8	Rim
IOS1721_41	98.6	2.11	0.41100	0.03200	0.05500	0.00330	0.54951	352.0	25.0	345.0	20.0	400	150	345.0	20.0	2.0	Core
IOS1721_42	440.1	1.87	0.51700	0.01300	0.06610	0.00100	0.43314	421.9	8.3	412.6	6.2	476	47	412.6	6.2	2.2	Single Age
IOS1721_43	5980	87.50	0.02840	0.00300	0.00382	0.00029	0.76018	28.4	2.9	24.6	1.9	350	150	DISC	DISC	13.4	Rim

Table A3, con't.

IOS1721_43	268.8	2.41	0.51900	0.01400	0.06680	0.00110	0.46442	423.4	9.4	416.7	6.6	454	54	416.7	6.6	1.6	Core
IOS1721_44	297	1.52	0.53500	0.01900	0.06710	0.00190	0.43557	434.0	12.0	419.0	11.0	516	76	419.0	11.0	3.5	Single Age
IOS1721_45	594	3.75	0.43200	0.05000	0.04650	0.00150	0.67214	357.0	28.0	292.6	9.0	730	120	DISC	DISC	18.0	Single Age
IOS1721_46	1090	18.50	0.15710	0.00770	0.02096	0.00096	0.77323	147.7	6.7	133.7	6.0	389	72	133.7	6.0	9.5	Single Age
IOS1721_47	4240	74.00	0.06800	0.01200	0.00940	0.00160	0.95859	66.0	12.0	60.0	10.0	290	140	DISC	DISC	9.1	Rim
IOS1721_47	162	3.16	0.35000	0.01400	0.04660	0.00120	0.40251	303.0	11.0	293.6	7.2	387	83	293.6	7.2	3.1	Core
IOS1721_48	985	2.49	0.45000	0.01500	0.05740	0.00190	0.74427	376.0	11.0	360.0	12.0	490	57	360.0	12.0	4.3	Single Age
IOS1721_49	1410	25.50	0.14200	0.01400	0.02020	0.00170	0.66508	135.0	12.0	129.0	11.0	250	170	129.0	11.0	4.4	Rim
IOS1721_49	163.4	2.12	0.53200	0.01800	0.07010	0.00150	0.30975	431.0	12.0	436.7	8.8	409	72	436.7	8.8	1.3	Core
IOS1721_50	4450	39.90	0.05410	0.00450	0.00732	0.00051	0.66692	53.4	4.3	47.0	3.3	360	170	DISC	DISC	12.0	Rim
IOS1721_50	424	1.07	0.57100	0.01500	0.07420	0.00150	0.53908	457.5	9.5	461.5	9.0	440	51	461.5	9.0	0.9	Core
IOS1721_51	3181	34.80	0.06070	0.00690	0.00729	0.00078	0.81946	59.8	6.6	46.8	5.0	630	130	DISC	DISC	21.7	Rim
IOS1721_51	393	2.28	0.58600	0.02100	0.06700	0.00180	0.55779	467.0	14.0	418.0	11.0	732	69	DISC	DISC	10.5	Core
IOS1721_52	165	1.96	0.56600	0.01900	0.07370	0.00140	0.36246	454.0	12.0	458.3	8.3	420	65	458.3	8.3	0.9	Single Age
IOS1721_53	591	1.40	0.52200	0.01600	0.07070	0.00190	0.68082	425.0	11.0	440.0	12.0	354	53	440.0	12.0	3.5	Single Age
IOS1721_54	272.4	1.52	0.54200	0.01400	0.07350	0.00140	0.52923	438.9	9.2	457.0	8.7	349	50	457.0	8.7	4.1	Single Age
IOS1721_55	4900	68.10	0.03510	0.00470	0.00456	0.00056	0.89875	35.0	4.6	29.3	3.6	440	140	DISC	DISC	16.3	Rim
IOS1721_55	457	3.17	0.32020	0.00960	0.04176	0.00091	0.62925	281.6	7.4	263.7	5.6	434	52	263.7	5.6	6.4	Core
IOS1721_56	278	1.82	0.57400	0.01400	0.07337	0.00099	0.27781	459.2	8.8	456.4	5.9	475	53	456.4	5.9	0.6	Single Age
IOS1721_57	438	2.13	0.44600	0.02200	0.05510	0.00220	0.82137	372.0	15.0	346.0	13.0	536	58	346.0	13.0	7.0	Single Age
IOS1721_58	1949	15.85	0.06740	0.00190	0.00873	0.00019	0.72403	66.1	1.8	56.0	1.2	437	46	DISC	DISC	15.3	Single Age
IOS1721_59	562	1.88	0.48500	0.02600	0.06100	0.00250	0.82892	400.0	17.0	382.0	15.0	506	62	382.0	15.0	4.5	Single Age
IOS1721_60	2690	40.10	0.08320	0.00780	0.01135	0.00097	0.79660	80.9	7.2	72.7	6.2	340	130	DISC	DISC	10.1	Rim
IOS1721_60	603	5.31	0.32700	0.01800	0.03840	0.00130	0.24815	286.0	14.0	242.6	8.1	660	120	DISC	DISC	15.2	Core
IOS1721_61	1760	0.18	0.41600	0.02000	0.02826	0.00077	0.37276	351.0	14.0	179.6	4.8	1728	80	DISC	DISC	48.8	Rim

Table A3, con't.

IOS1721_61	221.9	1.43	0.70200	0.05200	0.07270	0.00260	0.72945	537.0	31.0	452.0	16.0	890	120	DISC	DISC	15.8	Core
IOS1721_62	677	1.55	0.60000	0.01600	0.07490	0.00140	0.53059	476.0	10.0	465.5	8.1	522	47	465.5	8.1	2.2	Single Age
IOS1721_63	2191	9.75	0.16280	0.00530	0.02130	0.00058	0.39366	153.1	4.6	135.9	3.7	429	74	DISC	DISC	11.2	Rim
IOS1721_63	752	3.16	0.32800	0.01100	0.04239	0.00090	0.70184	287.6	8.2	267.6	5.6	447	54	267.6	5.6	7.0	Core
IOS1721_64	4920	37.80	0.07990	0.00730	0.00960	0.00069	0.89237	77.8	6.9	61.6	4.4	560	110	DISC	DISC	20.8	Rim
IOS1721_64	643	1.60	0.49600	0.01500	0.06430	0.00180	0.67168	408.0	10.0	402.0	11.0	445	51	402.0	11.0	1.5	Core
IOS1721_65	4910	42.00	0.05990	0.00520	0.00760	0.00057	0.94241	58.8	5.0	48.8	3.6	450	61	DISC	DISC	17.0	Rim
IOS1721_65	255.6	1.07	0.56400	0.01900	0.07380	0.00180	0.45962	453.0	12.0	459.0	11.0	415	69	459.0	11.0	1.3	Core
IOS1721_66	4510	56.70	0.06860	0.00780	0.00852	0.00095	0.90444	67.2	7.4	54.7	6.0	540	120	DISC	DISC	18.6	Rim
IOS1721_66	324	1.84	0.49500	0.01800	0.06280	0.00160	0.61646	407.0	12.0	392.7	9.9	470	63	392.7	9.9	3.5	Core
IOS1721_68	562	2.27	0.56000	0.03300	0.06500	0.00190	0.41532	448.0	21.0	406.0	12.0	630	100	406.0	12.0	9.4	Single Age
IOS1721_69	2170	28.30	0.08230	0.00430	0.01083	0.00049	0.88183	80.1	4.0	69.4	3.1	395	53	DISC	DISC	13.4	Single Age
IOS1721_70	347	1.79	0.52000	0.01600	0.06740	0.00130	0.28263	424.0	10.0	420.3	8.0	460	70	420.3	8.0	0.9	Single Age
IOS1721_72	389	1.37	0.56500	0.01800	0.07330	0.00220	0.55029	454.0	11.0	456.0	13.0	429	60	456.0	13.0	0.4	Single Age
IOS1721_73	279	2.50	0.56100	0.01400	0.07290	0.00120	0.43600	451.0	9.2	453.5	7.4	428	52	453.5	7.4	0.6	Single Age
IOS1721_74	879	14.47	0.27200	0.02100	0.03320	0.00150	0.68509	243.0	16.0	210.5	9.2	530	110	DISC	DISC	13.4	Rim
IOS1721_74	112.7	2.29	0.60100	0.04000	0.07110	0.00230	0.43336	475.0	24.0	443.0	14.0	600	120	443.0	14.0	6.7	Core
IOS1721_75	3820	37.40	0.06730	0.00270	0.00813	0.00020	0.52693	66.1	2.6	52.2	1.3	604	78	DISC	DISC	21.0	Rim
IOS1721_75	752	2.84	0.44100	0.01800	0.05760	0.00230	0.30657	370.0	13.0	361.0	14.0	420	110	361.0	14.0	2.4	Core
IOS1721_76	1903	4.40	0.41900	0.01000	0.05141	0.00089	0.33043	354.4	7.1	323.1	5.5	553	46	323.1	5.5	8.8	Single Age
IOS1721_77	815	1.07	0.63700	0.04600	0.06900	0.00130	0.58864	495.0	26.0	430.0	7.7	760	110	DISC	DISC	13.1	Single Age
IOS1721_78	4760	117.00	0.02650	0.00340	0.00371	0.00037	0.92917	26.5	3.3	23.9	2.4	250	110	DISC	DISC	9.8	Rim
IOS1721_78	452	1.58	0.55600	0.01300	0.07080	0.00120	0.56628	448.4	8.6	440.9	7.1	482	46	440.9	7.1	1.7	Core
IOS1721_79	299.5	1.51	0.55100	0.01700	0.07070	0.00160	0.47831	445.0	11.0	440.3	9.8	455	63	440.3	9.8	1.1	Single Age
IOS1721_80	309	2.46	0.39600	0.01900	0.04840	0.00130	0.47811	337.0	13.0	304.8	7.9	543	87	304.8	7.9	9.6	Single Age

Table A3, con't.

IOS1721_81	332.7	1.75	0.59400	0.01500	0.07550	0.00120	0.57140	473.5	9.5	468.8	7.3	489	47	468.8	7.3	1.0	Single Age
IOS1721_82	4070	52.80	0.07920	0.00660	0.01059	0.00077	0.81654	77.3	6.2	67.9	4.9	370	110	DISC	DISC	12.2	Rim
IOS1721_82	3140	17.80	0.27000	0.01200	0.03620	0.00120	0.76331	242.7	9.2	229.3	7.8	368	61	229.3	7.8	5.5	Rim
IOS1721_82	308	1.82	0.51300	0.02100	0.06820	0.00180	0.55922	419.0	14.0	425.0	11.0	371	75	425.0	11.0	1.4	Core
IOS1721_83	5620	114.10	0.03120	0.00310	0.00400	0.00027	0.85540	31.2	3.1	25.7	1.8	450	120	DISC	DISC	17.6	Rim
IOS1721_83	473	1.67	0.59000	0.01400	0.07410	0.00130	0.57747	469.8	9.2	460.4	7.5	504	45	460.4	7.5	2.0	Core
IOS1721_84	506	1.71	0.53900	0.01700	0.06810	0.00160	0.52315	437.0	11.0	424.7	9.9	490	60	424.7	9.9	2.8	Single Age
IOS1721_85	1225	1.87	0.58300	0.04400	0.06040	0.00170	0.57622	453.0	22.0	378.0	10.0	815	91	DISC	DISC	16.6	Single Age
IOS1721_86	252	3.65	0.45900	0.01800	0.05840	0.00180	0.57905	382.0	12.0	366.0	11.0	469	69	366.0	11.0	4.2	Single Age
IOS1721_87	596	3.60	0.31200	0.02500	0.03500	0.00100	0.60539	274.0	19.0	222.0	6.2	690	130	DISC	DISC	19.0	Rim
IOS1721_87	261	2.58	0.51500	0.02600	0.06360	0.00170	0.65550	421.0	17.0	398.0	10.0	512	85	398.0	10.0	5.5	Core
IOS1721_88	3150	36.60	0.06700	0.00430	0.00906	0.00060	0.82791	65.8	4.1	58.1	3.8	400	110	DISC	DISC	11.7	Rim
IOS1721_88	605	1.65	0.57900	0.01400	0.07230	0.00140	0.66270	462.7	8.8	450.1	8.2	518	43	450.1	8.2	2.7	Core
IOS1721_89	3600	33.70	0.08730	0.00770	0.00983	0.00067	0.81863	84.8	7.2	63.0	4.3	726	95	DISC	DISC	25.7	Rim
IOS1721_89	329	2.31	0.56900	0.03800	0.06160	0.00230	0.25809	455.0	24.0	385.0	14.0	840	140	DISC	DISC	15.4	Core
IOS1721_90	261.2	1.87	0.53100	0.02500	0.06700	0.00210	0.55887	431.0	17.0	418.0	13.0	484	89	418.0	13.0	3.0	Single Age
IOS1721_91	434	5.38	0.26200	0.01400	0.03166	0.00095	0.28398	235.0	11.0	200.9	5.9	552	93	DISC	DISC	14.5	Single Age
IOS1721_92	2590	47.90	0.06890	0.00740	0.00904	0.00079	0.88700	67.6	7.1	58.0	5.0	400	120	DISC	DISC	14.2	Rim
IOS1721_92	370	1.66	0.48900	0.01400	0.06140	0.00150	0.58542	405.0	10.0	384.3	9.1	515	55	384.3	9.1	5.1	Core
IOS1721_93	1420	5.13	0.18900	0.01100	0.02176	0.00091	0.59966	177.0	10.0	138.8	5.7	682	75	DISC	DISC	21.6	Rim
IOS1721_93	459	3.35	0.36100	0.02400	0.03910	0.00160	0.55932	312.0	17.0	247.5	9.9	810	100	DISC	DISC	20.7	Core
IOS1721_94	5350	89.20	0.03690	0.00330	0.00469	0.00032	0.61913	36.7	3.2	30.1	2.1	450	120	DISC	DISC	18.0	Rim
IOS1721_94	1710	2.72	0.45200	0.04100	0.04850	0.00260	0.43667	383.0	31.0	305.0	16.0	820	170	DISC	DISC	20.4	Core
IOS1721_95	614	1.83	0.58200	0.01500	0.07360	0.00160	0.54185	464.1	9.4	457.3	9.6	489	51	457.3	9.6	1.5	Single Age
IOS1721_96	308.7	1.63	0.62600	0.03700	0.06850	0.00190	0.72706	488.0	20.0	427.0	12.0	751	87	DISC	DISC	12.5	Single Age

Table A3, con't.

IOS1721_97	3060	48.80	0.08110	0.00620	0.01080	0.00100	0.82666	79.2	5.8	69.5	6.6	380	110	DISC	DISC	12.2	Rim
IOS1721_97	739	1.96	0.36800	0.01200	0.04550	0.00140	0.61882	320.4	9.5	286.6	8.6	570	62	DISC	DISC	10.5	Rim
IOS1721_97	466	1.04	0.61500	0.09900	0.06710	0.00210	0.90052	475.0	49.0	418.0	13.0	670	180	DISC	DISC	12.0	Core
IOS1721_98	668	3.00	0.37400	0.01800	0.04510	0.00130	0.37854	322.0	13.0	284.1	7.8	590	97	DISC	DISC	11.8	Rim
IOS1721_98	394	1.78	0.53600	0.01900	0.06770	0.00190	0.35863	435.0	13.0	422.0	11.0	488	80	422.0	11.0	3.0	Core
IOS1721_99	400	2.89	0.72200	0.06400	0.06800	0.00180	0.61325	539.0	35.0	424.0	11.0	1000	140	DISC	DISC	21.3	Single Age
IOS1721_100	5194	46.00	0.10640	0.00520	0.01362	0.00051	0.88020	102.5	4.8	87.2	3.2	465	56	DISC	DISC	14.9	Rim
IOS1721_100	189.5	2.15	0.51100	0.02000	0.06640	0.00150	0.52319	418.0	13.0	414.1	9.1	421	70	414.1	9.1	0.9	Core
IOS1721_101	4780	28.00	0.02560	0.00160	0.00358	0.00009	0.18132	25.7	1.6	23.0	0.6	270	130	DISC	DISC	10.5	Rim
IOS1721_101	543	3.39	0.25690	0.00830	0.03440	0.00110	0.53549	232.0	6.7	218.0	6.6	389	69	218.0	6.6	6.0	Rim
IOS1721_101	185.6	1.76	0.52200	0.03000	0.06920	0.00250	0.53299	425.0	20.0	431.0	15.0	370	100	431.0	15.0	1.4	Core
IOS1721_102	730	1.31	0.64400	0.02200	0.07440	0.00180	0.21958	504.0	14.0	462.0	11.0	683	75	462.0	11.0	8.3	Single Age
IOS1721_103	305	1.44	0.63600	0.05900	0.07320	0.00190	0.59581	481.0	27.0	455.0	12.0	580	110	455.0	12.0	5.4	Single Age
IOS1721_104	1028	3.29	0.62100	0.05300	0.07160	0.00150	0.32091	474.0	22.0	445.6	9.3	557	77	445.6	9.3	6.0	Single Age
IOS1721_105	5400	115.30	0.02680	0.00320	0.00370	0.00039	0.83063	26.8	3.2	23.8	2.5	290	150	DISC	DISC	11.2	Rim
IOS1721_105	330	1.91	0.48400	0.01800	0.06000	0.00140	0.46476	400.0	12.0	375.5	8.7	532	74	375.5	8.7	6.1	Rim
IOS1721_105	245.4	1.19	0.59600	0.02300	0.07280	0.00150	0.18014	473.0	14.0	452.9	8.7	555	84	452.9	8.7	4.2	Core
IOS1721_106	5440	89.20	0.02170	0.00140	0.00315	0.00011	0.42978	21.8	1.4	20.3	0.7	200	120	20.3	0.7	7.1	Rim
IOS1721_106	766	2.65	0.33400	0.01300	0.04390	0.00150	0.72769	292.0	10.0	277.2	9.3	403	62	277.2	9.3	5.1	Core
IOS1721_107	4120	27.20	0.09250	0.00750	0.01242	0.00096	0.92120	89.7	6.9	79.6	6.1	365	72	DISC	DISC	11.3	Rim
IOS1721_107	281.9	1.28	0.56600	0.01600	0.07370	0.00170	0.69928	454.0	11.0	458.0	10.0	440	49	458.0	10.0	0.9	Core
IOS1721_108	321	2.30	0.51900	0.01400	0.06910	0.00130	0.64196	425.0	10.0	430.6	7.7	385	48	430.6	7.7	1.3	Single Age
IOS1721_109	6410	36.70	0.07110	0.00840	0.00730	0.00055	0.79080	69.6	8.0	46.9	3.5	900	170	DISC	DISC	32.6	Rim
IOS1721_109	577	1.79	0.64900	0.04500	0.07440	0.00120	0.62051	508.0	27.0	462.5	7.0	680	120	462.5	7.0	9.0	Core
IOS1721_110	5760	99.10	0.02190	0.00160	0.00334	0.00022	0.64141	22.0	1.6	21.5	1.4	90	120	21.5	1.4	2.3	Rim

Table A3, con't.

IOS1721_110	297.7	1.30	0.54300	0.01400	0.07010	0.00110	0.38340	439.8	9.4	436.9	6.5	452	60	436.9	6.5	0.7	Core
IOS1721_111	917	1.28	0.28300	0.01600	0.03290	0.00170	0.85150	254.0	13.0	208.0	11.0	696	61	DISC	DISC	18.1	Single Age
IOS1721_112	3639	63.00	0.06700	0.00590	0.00849	0.00069	0.91157	65.7	5.6	54.5	4.4	489	88	DISC	DISC	17.0	Rim
IOS1721_112	201.1	2.03	0.51600	0.01600	0.06420	0.00110	0.29367	421.0	10.0	401.3	6.6	515	65	401.3	6.6	4.7	Core
IOS1721_113	1463	10.96	0.15980	0.00430	0.02123	0.00044	0.68621	150.4	3.7	135.4	2.8	385	46	135.4	2.8	10.0	Single Age
IOS1721_114	3570	22.80	0.09020	0.00270	0.01138	0.00031	0.72486	87.6	2.5	73.0	1.9	502	45	DISC	DISC	16.7	Rim
IOS1721_114	401	4.68	0.30600	0.03300	0.03590	0.00310	0.79826	269.0	25.0	227.0	19.0	630	140	DISC	DISC	15.6	Core
IOS1721_115	5280	25.00	0.05790	0.00430	0.00777	0.00046	0.90612	57.1	4.2	49.9	2.9	357	74	DISC	DISC	12.6	Rim
IOS1721_115	483	2.15	0.41300	0.02200	0.05380	0.00150	0.54961	350.0	16.0	337.5	9.5	421	95	337.5	9.5	3.6	Rim
IOS1721_115	499	1.60	0.58200	0.02600	0.07300	0.00240	0.66886	465.0	17.0	454.0	14.0	505	75	454.0	14.0	2.4	Core
IOS1721_116	4580	86.60	0.02650	0.00240	0.00388	0.00023	0.71110	26.6	2.4	24.9	1.5	160	130	24.9	1.5	6.4	Rim
IOS1721_116	140	2.02	0.53900	0.01800	0.07150	0.00150	0.42815	436.0	12.0	445.2	8.9	384	66	445.2	8.9	2.1	Core
IOS1721_117	336	1.86	0.48000	0.03200	0.05830	0.00160	0.55424	397.0	22.0	365.0	10.0	550	120	365.0	10.0	8.1	Single Age
IOS1721_118	512	1.81	0.41400	0.01300	0.05240	0.00120	0.60678	351.1	9.0	328.9	7.3	489	55	328.9	7.3	6.3	Single Age
IOS1721_119	5470	72.00	0.04600	0.01500	0.00404	0.00044	0.13989	45.0	14.0	26.0	2.8	1040	500	DISC	DISC	42.2	Rim
IOS1721_119	1152	2.76	0.45400	0.04700	0.05150	0.00120	0.47923	375.0	28.0	323.4	7.5	660	120	DISC	DISC	13.8	Rim
IOS1721_119	838	1.97	0.56100	0.02500	0.06700	0.00220	0.72972	451.0	17.0	418.0	13.0	613	66	418.0	13.0	7.3	Core
IOS1721_120	251	2.39	0.51300	0.02600	0.06590	0.00250	0.53822	418.0	17.0	411.0	15.0	444	90	411.0	15.0	1.7	Single Age
IOS1721_121	1244	3.30	0.36000	0.02400	0.04370	0.00270	0.94038	308.0	18.0	275.0	17.0	576	45	DISC	DISC	10.7	Single Age
IOS1721_122	5250	36.60	0.09500	0.01700	0.00802	0.00047	0.47603	91.0	16.0	51.5	3.0	990	280	DISC	DISC	43.4	Rim
IOS1721_122	361	1.56	0.46100	0.01700	0.05750	0.00170	0.40545	384.0	12.0	360.0	10.0	516	74	360.0	10.0	6.3	Core
IOS1721_123	3880	27.70	0.11160	0.00960	0.01690	0.00160	0.82975	107.2	8.7	108.0	10.0	139	96	108.0	10.0	0.7	Rim
IOS1721_123	984	1.51	0.54300	0.01300	0.06970	0.00140	0.75369	439.3	8.4	434.1	8.3	475	35	434.1	8.3	1.2	Core
IOS1721_124	3790	36.20	0.06510	0.00370	0.00890	0.00044	0.87064	64.0	3.5	57.1	2.8	321	61	DISC	DISC	10.8	Rim
IOS1721_124	561	3.76	0.30800	0.01600	0.03910	0.00150	0.43389	272.0	12.0	247.2	9.1	480	110	247.2	9.1	9.1	Rim

Table A3, con't.

IOS1721_124	679	1.61	0.47900	0.01700	0.06000	0.00130	0.45144	396.0	11.0	375.4	8.2	503	62	375.4	8.2	5.2	Core
IOS1721_125	548.1	1.67	0.51000	0.01400	0.06660	0.00170	0.66318	417.5	9.6	415.0	10.0	434	51	415.0	10.0	0.6	Single Age
IOS1721_126	5130	94.30	0.02270	0.00260	0.00345	0.00040	0.82270	22.7	2.6	22.2	2.6	90	110	DISC	DISC	2.2	Rim
IOS1721_126	500	1.57	0.63600	0.02500	0.07290	0.00140	0.53008	497.0	15.0	453.5	8.7	680	68	453.5	8.7	8.8	Core
IOS1721_127	319	1.48	0.61000	0.02900	0.06840	0.00160	0.46193	481.0	18.0	426.2	9.4	731	85	DISC	DISC	11.4	Single Age
IOS1721_128	991	2.49	0.40800	0.01300	0.05200	0.00140	0.70130	346.3	8.9	326.8	8.6	483	40	326.8	8.6	5.6	Single Age
IOS1721_129	4540	113.40	0.02750	0.00270	0.00341	0.00020	0.41522	27.5	2.6	21.9	1.3	500	190	DISC	DISC	20.4	Rim
IOS1721_129	260	3.56	0.35300	0.02100	0.04650	0.00200	0.68906	306.0	16.0	293.0	12.0	390	100	293.0	12.0	4.2	Core
IOS1721_130	234.9	1.89	0.53500	0.01600	0.06820	0.00140	0.50121	435.0	10.0	425.4	8.3	485	54	425.4	8.3	2.2	Single Age
IOS1721_131	1470	14.80	0.14740	0.00750	0.01782	0.00053	0.30523	139.1	6.5	113.8	3.3	532	77	DISC	DISC	18.2	Single Age
IOS1721_132	3870	63.00	0.05700	0.01100	0.00660	0.00100	0.91446	56.0	11.0	42.3	6.4	610	200	DISC	DISC	24.5	Rim
IOS1721_132	360	1.67	0.57500	0.01900	0.07160	0.00220	0.57242	460.0	12.0	446.0	13.0	525	63	446.0	13.0	3.0	Core
IOS1721_133	2634	2.08	0.64200	0.03900	0.05980	0.00120	0.38193	496.0	22.0	374.1	7.3	1089	99	DISC	DISC	24.6	Single Age
IOS1721_134	6520	11.00	0.04440	0.00390	0.00513	0.00043	0.67426	44.0	3.8	33.0	2.8	630	150	DISC	DISC	25.0	Rim
IOS1721_134	466	1.67	0.48700	0.02600	0.05540	0.00150	0.56666	400.0	17.0	347.2	9.4	716	84	DISC	DISC	13.2	Core
IOS1721_135	234.3	1.88	0.58100	0.01500	0.07420	0.00130	0.32406	463.6	9.5	461.6	7.9	450	54	461.6	7.9	0.4	Single Age
IOS1721_136	6550	2.45	0.11900	0.01200	0.01006	0.00084	0.02036	114.0	11.0	64.5	5.3	1310	230	DISC	DISC	43.4	Rim
IOS1721_136	201	3.30	0.41100	0.02100	0.05280	0.00190	0.56892	348.0	15.0	332.0	12.0	438	91	332.0	12.0	4.6	Core
IOS1721_137	4820	49.80	0.06510	0.00550	0.00755	0.00041	0.33987	63.9	5.2	48.5	2.6	650	140	DISC	DISC	24.1	Rim
IOS1721_137	416	4.69	0.35600	0.02300	0.04460	0.00240	0.79223	307.0	17.0	281.0	15.0	496	90	281.0	15.0	8.5	Core
IOS1721_138	7010	41.80	0.05060	0.00450	0.00647	0.00042	0.81338	50.1	4.4	41.5	2.7	460	120	DISC	DISC	17.2	Rim
IOS1721_138	573	1.90	0.57900	0.01400	0.07310	0.00130	0.56838	464.6	8.5	454.5	7.6	494	45	454.5	7.6	2.2	Core
IOS1721_139	1080	3.35	0.36400	0.03100	0.04570	0.00370	0.89001	312.0	23.0	288.0	22.0	496	82	288.0	22.0	7.7	Single Age
IOS1721_140	226	1.70	0.55900	0.01900	0.07140	0.00150	0.49339	449.0	12.0	444.7	9.1	455	65	444.7	9.1	1.0	Single Age

Table A3, con't.

SAMPLE NAME: IOS1722																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1722_1	445.5	17.90	6.16100	0.04300	0.35200	0.00270	0.57842	1998.2	6.1	1944.0	13.0	2054	12	2054.0	12.0	5.4	Single Age
IOS1722_2	326.2	1.81	0.86500	0.01800	0.10200	0.00140	0.52998	634.0	10.0	626.0	8.2	649	39	626.0	8.2	1.3	Single Age
IOS1722_3	2030	45.00	0.87600	0.01100	0.10230	0.00110	0.83106	638.8	5.9	627.7	6.5	685	15	627.7	6.5	1.7	Single Age
IOS1722_4	22.49	1.34	4.05900	0.08600	0.27830	0.00380	0.41296	1642.0	17.0	1582.0	19.0	1728	38	1728.0	38.0	8.4	Single Age
IOS1722_5	153.5	1.52	0.74100	0.01500	0.09093	0.00096	0.26729	562.6	9.1	560.9	5.7	568	44	560.9	5.7	0.3	Single Age
IOS1722_6	1206	27.10	0.61800	0.01300	0.07410	0.00140	0.66822	487.9	8.3	460.5	8.7	621	26	460.5	8.7	5.6	Single Age
IOS1722_7	99.7	4.60	0.70800	0.04600	0.07020	0.00170	0.69981	536.0	22.0	437.0	10.0	928	74	DISC	DISC	18.5	Single Age
IOS1722_8	1.9	1.20	0.82600	0.05300	0.10100	0.01300	0.43678	611.0	29.0	620.0	76.0	570	210	DISC	DISC	1.5	Single Age
IOS1722_9	20.59	1.22	5.95000	0.13000	0.33890	0.00490	0.38412	1963.0	19.0	1883.0	24.0	2041	38	2041.0	38.0	7.7	Single Age
IOS1722_10	741	4.54	0.68910	0.00970	0.08412	0.00088	0.74578	531.7	5.9	520.6	5.2	565	22	520.6	5.2	2.1	Single Age
IOS1722_11	600	6.77	0.81310	0.00930	0.09657	0.00087	0.54594	603.7	5.2	594.2	5.1	618	22	594.2	5.1	1.6	Single Age
IOS1722_12	539	2.01	11.06000	0.12000	0.45710	0.00540	0.65340	2528.1	9.6	2425.0	24.0	2599	16	2599.0	16.0	6.7	Single Age
IOS1722_13	533	11.00	1.24000	0.01600	0.13130	0.00140	0.65638	818.0	7.1	795.4	7.7	860	20	795.4	7.7	2.8	Single Age
IOS1722_14	116.2	1.23	6.47000	0.12000	0.36470	0.00630	0.71756	2039.0	16.0	2003.0	30.0	2080	24	2080.0	24.0	3.7	Single Age
IOS1722_15	508	6.46	0.59100	0.03800	0.06160	0.00100	0.41397	468.0	22.0	385.6	6.3	851	96	DISC	DISC	17.6	Rim
IOS1722_15	841	5.37	4.57000	0.10000	0.28200	0.00620	0.77842	1743.0	19.0	1601.0	31.0	1911	27	1911.0	27.0	16.2	Core
IOS1722_16	414.4	15.40	1.19400	0.02100	0.12020	0.00150	0.68225	797.7	9.9	731.7	8.8	979	26	731.7	8.8	8.3	Single Age
IOS1722_17	406	1.61	5.08800	0.04000	0.32440	0.00280	0.59905	1833.4	6.7	1811.0	14.0	1857	12	1857.0	12.0	2.5	Single Age
IOS1722_18	369	5.40	0.79500	0.04000	0.09320	0.00420	0.95563	584.0	24.0	573.0	25.0	654	31	573.0	25.0	1.9	Single Age
IOS1722_19	125.8	1.16	1.53200	0.03100	0.15340	0.00220	0.64861	941.0	12.0	920.0	12.0	994	35	920.0	12.0	2.2	Single Age
IOS1722_20	155.4	1.82	0.82400	0.01600	0.09770	0.00110	0.57054	608.8	8.8	601.0	6.2	637	41	601.0	6.2	1.3	Single Age

Table A3, con't.

IOS1722_21	236.6	1.38	6.13700	0.07900	0.35390	0.00300	0.55257	1994.0	11.0	1953.0	14.0	2046	19	2046.0	19.0	4.5	Single Age
IOS1722_22	176	1.15	0.86500	0.01700	0.10320	0.00110	0.24116	632.6	9.2	633.2	6.2	629	43	633.2	6.2	0.1	Single Age
IOS1722_23	800	2.26	0.78300	0.01600	0.09207	0.00091	0.31192	585.8	9.0	567.7	5.4	661	41	567.7	5.4	3.1	Single Age
IOS1722_24	334	1.64	1.42900	0.02300	0.13950	0.00140	0.43740	899.4	9.7	841.4	8.2	1048	31	841.4	8.2	6.4	Single Age
IOS1722_25	534	2.85	4.10000	0.10000	0.21390	0.00950	0.43374	1649.0	20.0	1244.0	50.0	2230	70	DISC	DISC	44.2	Single Age
IOS1722_26	2134	26.75	5.62000	0.14000	0.27600	0.01300	0.35244	1916.0	21.0	1568.0	65.0	2310	110	DISC	DISC	32.1	Single Age
IOS1722_27	323	3.16	0.71300	0.01700	0.08620	0.00190	0.73908	547.4	9.9	533.0	11.0	583	38	533.0	11.0	2.6	Single Age
IOS1722_28	264.6	1.89	7.51000	0.22000	0.31300	0.00780	0.83377	2163.0	28.0	1757.0	37.0	2596	19	DISC	DISC	32.3	Single Age
IOS1722_29	207.2	2.89	0.54600	0.01400	0.06306	0.00085	0.21982	441.2	9.4	394.1	5.1	666	58	DISC	DISC	10.7	Single Age
IOS1722_30	469	1.32	0.85600	0.01100	0.10063	0.00085	0.32360	628.3	6.1	618.0	5.0	652	28	618.0	5.0	1.6	Single Age
IOS1722_31	653	12.82	5.74000	0.04500	0.34270	0.00260	0.61563	1938.1	6.4	1899.0	12.0	1977	11	1977.0	11.0	3.9	Single Age
IOS1722_32	94.8	0.78	1.48000	0.03300	0.14960	0.00210	0.37986	922.0	14.0	898.0	12.0	978	46	898.0	12.0	2.6	Single Age
IOS1722_33	503	0.78	0.58170	0.00970	0.06870	0.00130	0.49089	464.9	6.1	428.2	7.7	668	39	428.2	7.7	7.9	Single Age
IOS1722_34	716.7	5.24	0.77800	0.01100	0.09370	0.00100	0.67469	585.0	6.2	577.1	6.0	623	25	577.1	6.0	1.4	Single Age
IOS1722_35	274	1.03	1.72300	0.02100	0.17140	0.00160	0.31317	1017.4	7.5	1019.9	8.9	1023	25	1019.9	8.9	0.2	Single Age
IOS1722_36	462	1.35	1.51800	0.01800	0.15580	0.00140	0.50360	938.1	7.1	933.4	7.6	964	22	933.4	7.6	0.5	Single Age
IOS1722_37	167.5	4.75	4.03500	0.07000	0.18020	0.00270	0.70593	1639.0	14.0	1070.0	14.0	2496	21	DISC	DISC	34.7	Single Age
IOS1722_38	608.5	2.24	0.88200	0.01000	0.10214	0.00069	0.28837	641.4	5.6	626.9	4.0	709	25	626.9	4.0	2.3	Single Age
IOS1722_39	245.6	1.41	15.57000	0.19000	0.54830	0.00510	0.55664	2846.6	9.7	2821.0	22.0	2882	13	2882.0	13.0	2.1	Single Age
IOS1722_40	201.6	63.00	0.84700	0.01700	0.10102	0.00096	0.26279	621.8	9.3	620.3	5.6	635	43	620.3	5.6	0.2	Single Age
IOS1722_41	699	3.22	0.54800	0.02000	0.06440	0.00130	0.67050	443.0	13.0	402.5	7.9	662	52	402.5	7.9	9.1	Rim
IOS1722_41	177.7	1.34	1.40100	0.09300	0.10350	0.00150	0.28197	878.0	38.0	634.9	8.7	1540	140	DISC	DISC	27.7	Core
IOS1722_42	450	0.75	1.64700	0.01700	0.16480	0.00140	0.45646	987.8	6.7	983.0	7.8	1000	20	983.0	7.8	0.5	Single Age
IOS1722_43	86.7	0.67	0.74300	0.02700	0.08720	0.00210	0.52677	561.0	16.0	539.0	12.0	639	66	539.0	12.0	3.9	Single Age
IOS1722_44	295	22.40	0.84200	0.01400	0.10110	0.00110	0.33621	619.2	7.5	620.9	6.5	612	33	620.9	6.5	0.3	Single Age

Table A3, con't.

IOS1722_45	843	3.86	0.71300	0.01900	0.08290	0.00097	0.30639	545.0	10.0	513.3	5.8	656	38	513.3	5.8	5.8	Single Age
IOS1722_46	26.9	-52.00	0.88000	0.05000	0.10830	0.00290	0.20129	639.0	26.0	662.0	17.0	550	120	662.0	17.0	3.6	Single Age
IOS1722_47	584	2.84	1.41000	0.02100	0.14200	0.00180	0.56728	893.4	9.0	856.0	10.0	986	26	856.0	10.0	4.2	Single Age
IOS1722_48	99.2	1.34	1.67200	0.03300	0.16580	0.00170	0.43226	995.0	13.0	988.7	9.3	1012	38	988.7	9.3	0.6	Single Age
IOS1722_49	259	1.80	1.09900	0.02000	0.12150	0.00170	0.68523	751.6	9.6	738.9	9.5	787	28	738.9	9.5	1.7	Single Age
IOS1722_50	153.6	2.56	6.29100	0.07300	0.35810	0.00350	0.61739	2016.0	10.0	1973.0	17.0	2058	17	2058.0	17.0	4.1	Single Age
IOS1722_51	983	1.25	0.86920	0.00950	0.10280	0.00100	0.75932	634.7	5.3	630.7	5.8	650	20	630.7	5.8	0.6	Single Age
IOS1722_52	411	1.33	0.90500	0.01200	0.10706	0.00083	0.36669	653.7	6.3	655.6	4.9	650	28	655.6	4.9	0.3	Single Age
IOS1722_53	135.1	0.85	1.70800	0.03100	0.16780	0.00170	0.27373	1010.0	12.0	999.9	9.3	1033	37	999.9	9.3	1.0	Single Age
IOS1722_54	347	1.06	0.80600	0.01400	0.09688	0.00095	0.41880	598.9	7.8	596.0	5.6	613	36	596.0	5.6	0.5	Single Age
IOS1722_55	132.5	1.18	0.86400	0.01800	0.10290	0.00120	0.43725	630.8	9.9	631.1	6.8	641	43	631.1	6.8	0.0	Single Age
IOS1722_56	533	20.20	0.96700	0.02000	0.11060	0.00130	0.36649	686.0	10.0	676.3	7.5	720	42	676.3	7.5	1.4	Rim
IOS1722_56	87.3	1.31	1.47100	0.04300	0.15170	0.00230	0.35364	915.0	18.0	912.0	12.0	921	59	912.0	12.0	0.3	Core
IOS1722_57	182.1	4.56	0.74600	0.01600	0.09140	0.00110	0.44305	564.9	9.0	563.8	6.7	562	44	563.8	6.7	0.2	Single Age
IOS1722_58	134.9	0.92	0.75600	0.01800	0.09040	0.00110	0.16773	570.0	11.0	557.8	6.5	612	56	557.8	6.5	2.1	Single Age
IOS1722_59	73.9	0.89	4.16300	0.08600	0.28810	0.00390	0.59086	1663.0	17.0	1631.0	19.0	1709	31	1709.0	31.0	4.6	Single Age
IOS1722_60	345.5	2.20	7.33900	0.06000	0.37470	0.00300	0.73332	2152.6	7.4	2051.0	14.0	2261	10	2261.0	10.0	9.3	Single Age
IOS1722_61	289	0.93	1.56900	0.02200	0.15520	0.00180	0.45355	956.7	8.8	930.0	10.0	1033	29	930.0	10.0	2.8	Single Age
IOS1722_62	422.9	1.77	0.89700	0.01300	0.10640	0.00100	0.46160	649.5	7.0	651.8	6.0	650	28	651.8	6.0	0.4	Single Age
IOS1722_63	77.9	5.61	0.62700	0.03300	0.05650	0.00320	0.57276	492.0	21.0	354.0	19.0	1225	99	DISC	DISC	28.0	Single Age
IOS1722_64	307	3.67	1.58100	0.01700	0.15960	0.00130	0.45035	962.2	6.7	954.3	7.0	992	21	954.3	7.0	0.8	Single Age
IOS1722_65	87.2	1.78	0.84500	0.02300	0.09870	0.00130	0.17634	621.0	12.0	606.8	7.5	667	62	606.8	7.5	2.3	Single Age
IOS1722_66	1260	12.60	0.82300	0.01100	0.09710	0.00110	0.74307	610.1	5.9	597.4	6.4	662	20	597.4	6.4	2.1	Single Age
IOS1722_67	182.4	0.42	1.56200	0.02100	0.15560	0.00140	0.27643	954.1	8.4	931.9	7.6	1003	29	931.9	7.6	2.3	Single Age
IOS1722_68	232	3.28	0.81800	0.02100	0.08550	0.00130	0.37655	606.0	12.0	528.8	8.0	901	52	DISC	DISC	12.7	Single Age

Table A3, con't.

IOS1722_69	754	2.11	1.38100	0.03300	0.13490	0.00250	0.82452	882.0	14.0	815.0	14.0	1032	22	815.0	14.0	7.6	Single Age
IOS1722_70	1077	5.91	0.77310	0.00950	0.09371	0.00097	0.64680	581.0	5.4	577.3	5.7	588	22	577.3	5.7	0.6	Single Age
IOS1722_71	34	1.68	5.06000	0.13000	0.28610	0.00540	0.52494	1827.0	21.0	1621.0	27.0	2059	38	2059.0	38.0	21.3	Single Age
IOS1722_72	267	10.00	0.45900	0.02800	0.05670	0.00230	0.41179	382.0	20.0	356.0	14.0	520	130	356.0	14.0	6.8	Rim
IOS1722_72	162.6	1.51	1.02200	0.02300	0.11400	0.00130	0.12731	713.0	11.0	695.8	7.4	748	49	695.8	7.4	2.4	Core
IOS1722_73	98.9	0.54	5.30000	0.10000	0.31230	0.00470	0.63965	1865.0	17.0	1750.0	23.0	1988	26	1988.0	26.0	12.0	Single Age
IOS1722_74	679	7.70	0.38200	0.02100	0.04320	0.00200	0.51092	326.0	14.0	273.0	13.0	737	80	DISC	DISC	16.3	Single Age
IOS1722_75	358	13.57	2.25000	0.15000	0.12110	0.00520	0.67878	1188.0	46.0	736.0	30.0	2133	69	DISC	DISC	38.0	Rim
IOS1722_75	293.9	6.22	3.71200	0.08500	0.22840	0.00540	0.75859	1572.0	18.0	1325.0	29.0	1912	30	DISC	DISC	30.7	Core
IOS1722_76	187.4	2.27	1.28700	0.05700	0.12330	0.00470	0.77742	841.0	26.0	749.0	27.0	1103	58	DISC	DISC	10.9	Single Age
IOS1722_77	57	0.89	0.64300	0.03100	0.06940	0.00210	0.33728	503.0	20.0	432.0	13.0	800	100	DISC	DISC	14.1	Single Age
IOS1722_78	192	0.66	0.83500	0.02600	0.09590	0.00120	0.47443	614.0	14.0	590.1	7.0	718	68	590.1	7.0	3.9	Single Age
IOS1722_79	270	1.20	5.51600	0.07600	0.33450	0.00430	0.75873	1902.0	12.0	1859.0	21.0	1944	17	1944.0	17.0	4.4	Single Age
IOS1722_80	79.8	1.27	1.26500	0.05000	0.12840	0.00390	0.66876	826.0	22.0	778.0	22.0	949	62	778.0	22.0	5.8	Single Age
IOS1722_81	1492	2.74	0.86720	0.00920	0.10250	0.00100	0.57664	633.7	5.0	628.9	6.0	651	20	628.9	6.0	0.8	Single Age
IOS1722_82	716	335.00	0.42500	0.03800	0.05180	0.00210	0.76917	357.0	26.0	325.0	13.0	540	120	325.0	13.0	9.0	Rim
IOS1722_82	160.1	4.07	6.05400	0.07200	0.33600	0.00350	0.50301	1983.0	10.0	1867.0	17.0	2106	20	2106.0	20.0	11.3	Core
IOS1722_83	548	13.21	0.84900	0.01000	0.10093	0.00092	0.62019	623.4	5.7	619.8	5.4	643	20	619.8	5.4	0.6	Single Age
IOS1722_84	766	0.69	3.89200	0.05300	0.23080	0.00240	0.72536	1610.0	11.0	1338.0	13.0	1993	15	DISC	DISC	32.9	Single Age
IOS1722_85	362	1.08	8.89000	0.14000	0.37560	0.00600	0.73850	2325.0	15.0	2055.0	28.0	2575	21	2575.0	21.0	20.2	Rim
IOS1722_85	105.6	0.97	11.10000	0.19000	0.46090	0.00810	0.61950	2530.0	16.0	2442.0	35.0	2610	25	2610.0	25.0	6.4	Core
IOS1722_86	680	2.84	0.88200	0.01100	0.09960	0.00100	0.56969	641.7	6.0	612.1	6.1	755	23	612.1	6.1	4.6	Single Age
IOS1722_87	151	3.04	4.77200	0.07000	0.27240	0.00330	0.52116	1779.0	12.0	1553.0	17.0	2061	23	2061.0	23.0	24.6	Single Age
IOS1722_88	625	4.34	0.93200	0.04200	0.09290	0.00130	0.58541	662.0	19.0	572.5	7.6	971	66	DISC	DISC	13.5	Single Age
IOS1722_89	523	17.20	4.94600	0.05900	0.31350	0.00350	0.70711	1809.0	10.0	1758.0	17.0	1870	16	1870.0	16.0	6.0	Single Age

Table A3, con't.

IOS1722_90	150.7	1.80	1.10700	0.02000	0.12110	0.00140	0.42395	754.9	9.7	736.7	8.3	812	36	736.7	8.3	2.4	Single Age
IOS1722_91	79.8	1.16	0.83700	0.02400	0.09730	0.00120	0.20809	614.0	13.0	598.2	7.0	647	60	598.2	7.0	2.6	Single Age
IOS1722_92	290.4	1.52	2.12800	0.02200	0.19600	0.00160	0.44789	1157.1	7.2	1153.5	8.4	1155	20	1153.5	8.4	0.3	Single Age
IOS1722_93	307.5	0.75	0.78700	0.01300	0.09425	0.00078	0.38541	588.9	7.1	580.6	4.6	604	33	580.6	4.6	1.4	Single Age
IOS1722_94	187.2	5.50	0.83400	0.02000	0.09830	0.00120	0.42364	618.0	12.0	604.3	7.3	647	49	604.3	7.3	2.2	Single Age
IOS1722_95	257.4	7.03	9.90000	0.10000	0.42000	0.00460	0.60647	2424.5	9.4	2260.0	21.0	2557	16	2557.0	16.0	11.6	Single Age
IOS1722_96	228.2	1.53	5.47300	0.09400	0.31680	0.00390	0.63057	1894.0	15.0	1773.0	19.0	2023	26	2023.0	26.0	12.4	Single Age
IOS1722_97	723	61.50	0.36600	0.02300	0.04790	0.00270	0.91896	315.0	17.0	301.0	16.0	410	58	301.0	16.0	4.4	Rim
IOS1722_97	261	5.05	0.90300	0.01700	0.10750	0.00140	0.40630	654.1	9.6	658.3	8.1	625	40	658.3	8.1	0.6	Core
IOS1722_98	589	4.54	1.07900	0.02600	0.11640	0.00240	0.89706	740.0	13.0	710.0	14.0	828	23	710.0	14.0	4.1	Single Age
IOS1722_99	727	2.49	0.76000	0.01200	0.09160	0.00120	0.73688	573.5	6.8	564.8	7.1	598	23	564.8	7.1	1.5	Single Age
IOS1722_100	67.8	1.19	6.88000	0.16000	0.38300	0.00700	0.70752	2093.0	21.0	2089.0	33.0	2094	30	2094.0	30.0	0.2	Single Age
IOS1722_101	400	4.25	1.46400	0.02900	0.14820	0.00210	0.40207	915.0	12.0	891.0	12.0	976	38	891.0	12.0	2.6	Single Age
IOS1722_102	338	1.70	0.77800	0.01100	0.09444	0.00079	0.13121	583.6	6.2	581.7	4.6	598	34	581.7	4.6	0.3	Single Age
IOS1722_103	160.3	1.51	0.90700	0.04200	0.09920	0.00110	0.71060	645.0	15.0	609.7	6.5	762	61	609.7	6.5	5.5	Single Age
IOS1722_104	235	3.36	6.94300	0.07400	0.38550	0.00400	0.60953	2103.2	9.6	2101.0	18.0	2113	15	2113.0	15.0	0.6	Single Age
IOS1722_105	157.6	1.16	1.72500	0.02900	0.17090	0.00180	0.27589	1016.0	11.0	1016.7	9.9	1027	35	1016.7	9.9	0.1	Single Age
IOS1722_106	159.6	21.60	0.67100	0.05800	0.04690	0.00260	0.47814	507.0	30.0	295.0	16.0	1690	220	DISC	DISC	41.8	Single Age
IOS1722_107	156.7	1.75	0.80600	0.01600	0.09550	0.00100	0.16913	600.3	8.8	587.8	6.1	661	45	587.8	6.1	2.1	Single Age
IOS1722_109	122.8	1.23	5.45000	0.10000	0.31380	0.00460	0.69655	1892.0	16.0	1758.0	23.0	2045	21	2045.0	21.0	14.0	Single Age
IOS1722_110	209.1	1.41	1.10400	0.02500	0.12440	0.00230	0.43465	757.0	11.0	756.0	13.0	762	48	756.0	13.0	0.1	Single Age
IOS1722_111	1760	273.00	0.06600	0.01600	0.00780	0.00150	0.93105	65.0	15.0	50.0	9.7	600	180	DISC	DISC	23.1	Rim
IOS1722_111	268.6	0.66	11.86000	0.19000	0.47750	0.00750	0.76445	2592.0	15.0	2515.0	33.0	2664	19	2664.0	19.0	5.6	Core
IOS1722_113	326	6.90	0.78000	0.01400	0.09150	0.00120	0.50734	587.2	8.8	564.2	7.1	689	37	564.2	7.1	3.9	Single Age
IOS1722_114	167	5.24	1.10200	0.02900	0.11610	0.00170	0.17285	753.0	14.0	707.7	9.8	890	57	707.7	9.8	6.0	Single Age

Table A3, con’t.

IOS1722_115	57.95	1.72	0.83400	0.02800	0.09980	0.00130	0.01005	612.0	16.0	613.2	7.8	583	77	613.2	7.8	0.2	Single Age
IOS1722_116	244	2.80	0.88000	0.01600	0.10280	0.00110	0.42832	641.0	9.1	630.5	6.2	668	37	630.5	6.2	1.6	Single Age
IOS1722_117	138.9	3.66	0.54100	0.01600	0.06300	0.00100	0.37954	437.0	10.0	393.9	6.1	651	58	393.9	6.1	9.9	Single Age
IOS1722_118	651	15.70	0.74200	0.01000	0.09109	0.00080	0.37045	563.0	5.9	561.9	4.7	561	29	561.9	4.7	0.2	Single Age
IOS1722_119	116.8	0.70	1.63800	0.04900	0.15990	0.00310	0.45988	983.0	19.0	956.0	17.0	1030	54	956.0	17.0	2.7	Single Age
IOS1722_120	702	12.08	10.53000	0.11000	0.42930	0.00500	0.68204	2482.0	10.0	2302.0	23.0	2625	14	2625.0	14.0	12.3	Rim
IOS1722_120	110	9.01	13.01000	0.36000	0.51000	0.01200	0.67301	2678.0	26.0	2657.0	50.0	2688	31	2688.0	31.0	1.2	Core
IOS1722_121	119	1.23	12.69000	0.17000	0.50140	0.00680	0.60637	2655.0	13.0	2618.0	29.0	2681	19	2681.0	19.0	2.3	Single Age
IOS1722_122	105.7	0.92	0.66400	0.02100	0.08130	0.00180	0.51252	514.0	13.0	504.0	11.0	562	58	504.0	11.0	1.9	Single Age
IOS1722_123	93.8	0.57	1.50100	0.03600	0.15290	0.00190	0.24159	928.0	14.0	917.0	11.0	960	49	917.0	11.0	1.2	Single Age
IOS1722_124	457	3.73	10.10000	0.15000	0.42640	0.00730	0.87042	2442.0	14.0	2288.0	33.0	2588	13	2588.0	13.0	11.6	Single Age
IOS1722_125	393	3.80	1.40400	0.02000	0.14500	0.00180	0.64161	889.5	8.7	874.0	10.0	957	24	874.0	10.0	1.7	Single Age
IOS1722_126	76.3	1.10	0.84000	0.02800	0.10010	0.00200	0.37578	617.0	15.0	615.0	12.0	642	69	615.0	12.0	0.3	Single Age
IOS1722_127	114.3	1.40	1.86700	0.04200	0.17280	0.00280	0.14491	1068.0	15.0	1027.0	15.0	1176	52	1027.0	15.0	3.8	Single Age
IOS1722_128	80.7	1.33	4.86900	0.09000	0.28700	0.00390	0.65801	1793.0	16.0	1625.0	20.0	2017	25	2017.0	25.0	19.4	Single Age
IOS1722_129	1000	18.30	0.78300	0.01300	0.09370	0.00150	0.79592	586.3	7.6	577.0	8.7	647	22	577.0	8.7	1.6	Single Age
IOS1722_130	120.8	0.45	6.40600	0.07300	0.36500	0.00350	0.41358	2032.0	10.0	2005.0	16.0	2071	19	2071.0	19.0	3.2	Single Age
IOS1722_131	348.5	3.89	1.23800	0.02900	0.13160	0.00240	0.75517	817.0	13.0	797.0	13.0	881	29	797.0	13.0	2.4	Single Age
IOS1722_132	206	0.86	0.77300	0.01300	0.09375	0.00085	0.16651	580.5	7.5	577.6	5.0	601	36	577.6	5.0	0.5	Single Age
IOS1722_133	153.7	0.42	3.91700	0.07700	0.24570	0.00350	0.49975	1615.0	16.0	1416.0	18.0	1896	32	DISC	DISC	25.3	Single Age
IOS1722_134	33.2	1.70	0.84600	0.03900	0.09860	0.00190	0.27773	616.0	21.0	607.0	12.0	627	95	607.0	12.0	1.5	Single Age
IOS1722_135	813	29.95	2.61500	0.07700	0.17290	0.00340	0.54182	1298.0	21.0	1027.0	19.0	1792	29	DISC	DISC	20.9	Single Age
IOS1722_136	90.2	0.67	1.96500	0.05600	0.18140	0.00270	0.19319	1101.0	19.0	1074.0	15.0	1162	59	1074.0	15.0	2.5	Single Age
IOS1722_137	204.6	1.84	0.89200	0.01600	0.10580	0.00110	0.40323	646.3	8.3	648.1	6.3	648	36	648.1	6.3	0.3	Single Age
IOS1722_138	291	49.10	0.50000	0.02500	0.05820	0.00180	0.34294	409.0	17.0	365.0	11.0	662	95	DISC	DISC	10.8	Single Age

Table A3, con't.

IOS1722_139	76.1	1.19	1.01600	0.02600	0.11410	0.00150	0.30619	709.0	13.0	696.4	8.8	750	52	696.4	8.8	1.8	Single Age
IOS1722_140	397	7.94	8.85000	0.10000	0.37660	0.00410	0.81273	2321.0	10.0	2060.0	19.0	2574	12	2574.0	12.0	20.0	Single Age

SAMPLE NAME: IOS1733

GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1733_7	408	0.47	0.79800	0.01600	0.09550	0.00150	0.56767	594.1	9.0	589.1	8.6	646	38	589.1	8.6	0.8	Single Age
IOS1733_8	295	1.53	0.84000	0.01300	0.10051	0.00083	0.30024	619.6	6.8	617.3	4.9	648	31	617.3	4.9	0.4	Single Age
IOS1733_9	275	1.00	0.76600	0.01700	0.09010	0.00130	0.45985	576.1	9.9	555.8	7.9	678	43	555.8	7.9	3.5	Single Age
IOS1733_10	385	35.00	0.95400	0.02000	0.10620	0.00180	0.48190	678.0	10.0	650.0	10.0	786	41	650.0	10.0	4.1	Single Age
IOS1733_11	157.2	0.99	0.79200	0.01700	0.09612	0.00096	0.32230	590.7	9.7	591.6	5.6	600	43	591.6	5.6	0.2	Single Age
IOS1733_12	145.3	2.93	0.94200	0.02000	0.10540	0.00180	0.20272	672.0	11.0	646.0	10.0	770	53	646.0	10.0	3.9	Single Age
IOS1733_13	140	4.51	1.63400	0.04000	0.16390	0.00360	0.48612	981.0	16.0	977.0	20.0	1006	50	977.0	20.0	0.4	Single Age
IOS1733_14	251	1.00	0.79100	0.01500	0.09600	0.00130	0.50236	590.6	8.4	590.9	7.6	594	40	590.9	7.6	0.1	Single Age
IOS1733_15	1036	7.00	0.45900	0.02100	0.05300	0.00180	0.59893	383.0	14.0	333.0	11.0	711	79	DISC	DISC	13.1	Rim
IOS1733_15	211.7	0.57	1.29900	0.02700	0.13580	0.00160	0.49565	843.0	12.0	820.4	9.2	913	37	820.4	9.2	2.7	Core
IOS1733_16	50.1	0.91	1.60100	0.04500	0.16040	0.00230	0.24559	968.0	17.0	958.0	13.0	983	59	958.0	13.0	1.0	Single Age
IOS1733_17	122	0.67	5.40000	0.14000	0.32570	0.00770	0.55745	1883.0	23.0	1816.0	37.0	1969	43	1969.0	43.0	7.8	Single Age
IOS1733_18	276	1.30	0.88000	0.01400	0.10330	0.00120	0.26146	639.7	7.6	633.7	6.8	675	36	633.7	6.8	0.9	Single Age
IOS1733_19	800	7.51	0.82000	0.01700	0.09910	0.00170	0.67252	607.7	9.6	611.5	9.2	621	35	611.5	9.2	0.6	Rim
IOS1733_19	55.3	1.63	1.39000	0.06000	0.14370	0.00390	0.50451	880.0	26.0	865.0	22.0	944	74	865.0	22.0	1.7	Core
IOS1733_20	358	2.21	0.94400	0.01500	0.11140	0.00130	0.42453	675.7	7.7	680.8	7.3	672	33	680.8	7.3	0.8	Single Age
IOS1733_21	460	1.33	0.86400	0.01200	0.10272	0.00099	0.40111	631.3	6.5	630.3	5.8	650	27	630.3	5.8	0.2	Single Age
IOS1733_22	79.1	7.82	1.09800	0.03500	0.10150	0.00260	0.46609	748.0	17.0	623.0	15.0	1148	62	DISC	DISC	16.7	Single Age

Table A3, con't.

IOS1733_23	361	3.60	9.52200	0.06700	0.44250	0.00310	0.60305	2388.9	6.5	2361.0	14.0	2416	9	2416.3	9.4	2.3	Single Age
IOS1733_24	251.3	2.54	0.76900	0.01400	0.09460	0.00120	0.57536	580.3	8.2	582.4	7.3	577	34	582.4	7.3	0.4	Single Age
IOS1733_25	263	0.94	0.81100	0.01400	0.09800	0.00110	0.35250	601.8	8.1	602.4	6.5	601	38	602.4	6.5	0.1	Single Age
IOS1733_26	118.3	3.73	0.95200	0.04900	0.08150	0.00130	0.46982	668.0	25.0	505.1	8.0	1209	86	DISC	DISC	24.4	Single Age
IOS1733_27	804	2.48	12.43000	0.13000	0.48160	0.00550	0.73745	2636.2	9.8	2533.0	24.0	2718	13	2718.0	13.0	6.8	Single Age
IOS1733_28	196	2.18	1.03000	0.01700	0.11980	0.00120	0.35669	717.6	8.5	729.6	7.1	673	35	729.6	7.1	1.7	Single Age
IOS1733_29	769	8.52	0.82400	0.01300	0.09730	0.00140	0.63200	610.1	7.5	598.4	8.1	653	25	598.4	8.1	1.9	Single Age
IOS1733_30	98.5	0.86	1.01400	0.02500	0.11920	0.00120	0.16730	708.0	13.0	725.6	6.9	645	55	725.6	6.9	2.5	Single Age
IOS1733_31	271	2.29	1.07400	0.01900	0.12070	0.00170	0.67587	739.3	9.2	734.5	9.8	769	27	734.5	9.8	0.6	Single Age
IOS1733_32	519	3.84	0.95700	0.01800	0.11070	0.00170	0.78686	680.2	9.4	676.0	10.0	711	25	676.0	10.0	0.6	Single Age
IOS1733_33	308	1.25	1.49400	0.02100	0.15420	0.00170	0.63050	926.6	8.4	924.2	9.3	937	23	924.2	9.3	0.3	Single Age
IOS1733_34	254	1.28	1.24200	0.01800	0.13640	0.00140	0.42384	818.6	8.1	824.3	8.2	805	29	824.3	8.2	0.7	Single Age
IOS1733_36	210	0.99	1.71600	0.02300	0.16760	0.00130	0.35380	1014.6	8.3	998.7	7.4	1037	25	998.7	7.4	1.6	Single Age
IOS1733_37	17.9	0.56	0.89600	0.04700	0.11020	0.00240	0.10372	645.0	26.0	673.0	14.0	500	110	673.0	14.0	4.3	Single Age
IOS1733_38	774	8.40	5.61500	0.08500	0.33900	0.00430	0.82642	1916.0	13.0	1881.0	21.0	1940	16	1940.0	16.0	3.0	Single Age
IOS1733_39	95.6	1.44	1.05600	0.06500	0.09990	0.00140	0.39750	720.0	31.0	613.9	8.3	970	110	DISC	DISC	14.7	Single Age
IOS1733_40	377	3.14	1.32400	0.02900	0.14020	0.00270	0.60509	854.0	13.0	845.0	15.0	871	35	845.0	15.0	1.1	Single Age
IOS1733_41	36.85	1.95	1.02600	0.04100	0.10140	0.00220	0.16751	720.0	21.0	622.0	13.0	1005	85	DISC	DISC	13.6	Single Age
IOS1733_42	273	2.02	0.95900	0.01400	0.10885	0.00092	0.30432	681.9	7.1	666.0	5.4	719	32	666.0	5.4	2.3	Single Age
IOS1733_43	42.4	1.21	0.81000	0.03300	0.09800	0.00300	0.24050	597.0	19.0	602.0	17.0	552	93	602.0	17.0	0.8	Single Age
IOS1733_44	56.6	1.06	1.02700	0.03000	0.11300	0.00180	0.34383	715.0	16.0	691.0	10.0	778	60	691.0	10.0	3.4	Single Age
IOS1733_45	100.6	2.40	1.73800	0.05100	0.14090	0.00210	0.42555	1021.0	19.0	849.0	12.0	1396	52	DISC	DISC	16.8	Single Age
IOS1733_46	1015	2.97	1.30000	0.02000	0.13940	0.00200	0.64716	846.2	8.4	841.0	11.0	861	26	841.0	11.0	0.6	Single Age
IOS1733_47	143.9	0.49	1.17500	0.02000	0.12880	0.00160	0.40986	788.9	9.2	780.7	8.9	812	34	780.7	8.9	1.0	Single Age
IOS1733_48	138	0.82	0.90200	0.02200	0.10241	0.00089	0.20879	648.0	11.0	628.4	5.2	702	46	628.4	5.2	3.0	Single Age

Table A3, con't.

IOS1733_49	111.3	1.49	2.06900	0.08300	0.16070	0.00370	0.47401	1126.0	26.0	959.0	20.0	1454	70	DISC	DISC	14.8	Single Age
IOS1733_50	368	1.25	0.82000	0.01500	0.09700	0.00130	0.63532	607.0	8.3	597.4	7.3	645	31	597.4	7.3	1.6	Single Age
IOS1733_51	770	27.00	0.51200	0.03800	0.06320	0.00460	0.71102	417.0	26.0	395.0	28.0	550	110	395.0	28.0	5.3	Rim
IOS1733_51	321	2.15	5.49000	0.26000	0.29600	0.01100	0.93571	1888.0	41.0	1667.0	53.0	2145	32	2145.0	32.0	22.3	Core
IOS1733_52	267	1.02	1.01400	0.01400	0.11250	0.00110	0.34806	710.1	7.0	687.0	6.5	775	29	687.0	6.5	3.3	Single Age
IOS1733_53	30.6	2.11	3.22000	0.08200	0.17310	0.00310	0.41422	1458.0	19.0	1028.0	17.0	2138	44	DISC	DISC	29.5	Single Age
IOS1733_54	1646	20.35	5.39000	0.16000	0.30400	0.01200	0.83257	1880.0	26.0	1707.0	61.0	2064	35	2064.0	35.0	17.3	Single Age
IOS1733_55	537	3.63	0.88100	0.02200	0.09880	0.00170	0.77389	639.0	12.0	608.7	9.5	736	34	608.7	9.5	4.7	Single Age
IOS1733_56	1074	14.85	0.81180	0.00860	0.09660	0.00082	0.48533	603.1	4.8	594.4	4.8	609	20	594.4	4.8	1.4	Single Age
IOS1733_57	229.4	10.21	0.91600	0.01400	0.10670	0.00100	0.29620	659.0	7.4	653.5	6.0	658	33	653.5	6.0	0.8	Single Age
IOS1733_58	289	2.39	0.85400	0.01300	0.09940	0.00100	0.01903	625.9	7.1	610.5	6.1	648	40	610.5	6.1	2.5	Single Age
IOS1733_59	108.3	0.39	0.79100	0.02100	0.09390	0.00130	0.14749	589.0	12.0	578.4	7.4	587	61	578.4	7.4	1.8	Single Age
IOS1733_60	196	1.59	0.94800	0.02100	0.11060	0.00220	0.42233	675.0	11.0	676.0	13.0	627	50	676.0	13.0	0.1	Single Age
IOS1733_61	436.8	1.52	10.64000	0.14000	0.44030	0.00580	0.68999	2491.0	13.0	2351.0	26.0	2582	17	2582.0	17.0	8.9	Single Age
IOS1733_62	55.4	0.77	0.84200	0.04000	0.09280	0.00190	0.44928	613.0	21.0	572.0	11.0	700	80	572.0	11.0	6.7	Single Age
IOS1733_63	96.9	1.30	0.83600	0.02100	0.10030	0.00120	0.39501	616.0	12.0	616.2	7.0	593	51	616.2	7.0	0.0	Single Age
IOS1733_64	148.2	1.84	0.82800	0.01900	0.09560	0.00170	0.28630	613.0	11.0	588.1	9.8	674	54	588.1	9.8	4.1	Single Age
IOS1733_65	330	6.37	1.04600	0.03600	0.11950	0.00300	0.78926	722.0	18.0	727.0	17.0	689	46	727.0	17.0	0.7	Single Age
IOS1733_66	135.7	0.41	0.83300	0.02100	0.09870	0.00130	0.37249	614.0	11.0	606.4	7.7	627	52	606.4	7.7	1.2	Single Age
IOS1733_67	537	5.77	0.88800	0.01100	0.10590	0.00100	0.43848	645.2	6.3	648.6	6.0	627	27	648.6	6.0	0.5	Single Age
IOS1733_68	675	2.72	1.36100	0.04300	0.14620	0.00470	0.70318	869.0	19.0	879.0	27.0	852	56	879.0	27.0	1.2	Single Age
IOS1733_69	168.2	2.03	0.87400	0.02700	0.09400	0.00170	0.52336	636.0	15.0	579.0	9.9	841	56	579.0	9.9	9.0	Single Age
IOS1733_70	86.5	1.26	0.85300	0.02300	0.09990	0.00190	0.29738	627.0	13.0	614.0	11.0	661	62	614.0	11.0	2.1	Single Age
IOS1733_71	339	8.90	0.53000	0.06100	0.06850	0.00780	0.55680	429.0	40.0	427.0	47.0	460	210	DISC	DISC	0.5	Rim
IOS1733_71	39.1	1.00	1.12400	0.03800	0.12660	0.00240	0.15315	760.0	18.0	768.0	14.0	720	76	768.0	14.0	1.1	Core

Table A3, con't.

IOS1733_72	133.8	1.80	0.92500	0.02400	0.09710	0.00160	0.41974	662.0	13.0	597.4	9.4	890	50	597.4	9.4	9.8	Single Age
IOS1733_73	130.5	0.46	0.78200	0.02100	0.09590	0.00130	0.27242	586.0	11.0	590.3	7.9	548	58	590.3	7.9	0.7	Single Age
IOS1733_74	262	0.92	0.81600	0.01600	0.09720	0.00110	0.19632	607.4	8.7	597.9	6.7	623	45	597.9	6.7	1.6	Single Age
IOS1733_75	395	2.55	1.32000	0.11000	0.12420	0.00180	0.58498	830.0	36.0	755.0	10.0	1040	110	755.0	10.0	9.0	Single Age
IOS1733_76	130	1.04	1.05000	0.02500	0.11660	0.00130	0.40282	726.0	12.0	710.7	7.6	772	43	710.7	7.6	2.1	Single Age
IOS1733_77	302	1.39	0.79700	0.01900	0.09380	0.00170	0.45922	593.0	11.0	577.9	9.9	623	50	577.9	9.9	2.5	Single Age
IOS1733_78	1458	5.20	0.92000	0.01500	0.10540	0.00140	0.66020	661.5	7.7	646.0	8.1	713	22	646.0	8.1	2.3	Single Age
IOS1733_79	884	2.39	1.46800	0.01100	0.15206	0.00089	0.53746	917.0	4.6	912.5	5.0	916	14	912.5	5.0	0.5	Single Age
IOS1733_80	226.8	1.82	4.91000	0.14000	0.29570	0.00670	0.80550	1800.0	24.0	1669.0	33.0	1958	27	1958.0	27.0	14.8	Single Age
IOS1733_81	512	1.66	0.79500	0.01100	0.09450	0.00110	0.55053	593.2	6.1	581.7	6.7	628	26	581.7	6.7	1.9	Single Age
IOS1733_82	481	16.50	0.98300	0.01900	0.11240	0.00190	0.67525	694.3	9.6	687.0	11.0	713	32	687.0	11.0	1.1	Single Age
IOS1733_83	430.7	1.35	0.86000	0.01200	0.09830	0.00110	0.30672	629.4	6.4	604.2	6.2	723	33	604.2	6.2	4.0	Single Age
IOS1733_84	200	0.60	0.75400	0.02000	0.08930	0.00130	0.40809	571.0	12.0	551.0	7.5	651	55	551.0	7.5	3.5	Single Age
IOS1733_85	163.9	0.42	1.61100	0.03200	0.16160	0.00230	0.50663	972.0	13.0	965.0	13.0	983	37	965.0	13.0	0.7	Single Age
IOS1733_86	1820	107.00	0.43500	0.01700	0.05440	0.00300	0.80401	366.0	12.0	341.0	18.0	538	72	341.0	18.0	6.8	Rim
IOS1733_86	422	1.05	1.12700	0.01200	0.12610	0.00100	0.28670	766.5	6.1	765.5	5.9	763	26	765.5	5.9	0.1	Core
IOS1733_87	440	16.90	4.87300	0.06500	0.31110	0.00360	0.68989	1796.0	11.0	1745.0	18.0	1857	18	1857.0	18.0	6.0	Single Age
IOS1733_88	611.7	2.83	0.76990	0.00860	0.09316	0.00073	0.51804	579.2	4.9	574.1	4.3	600	21	574.1	4.3	0.9	Single Age
IOS1733_89	157	0.83	1.23100	0.02700	0.13300	0.00160	0.21292	812.0	13.0	804.7	9.3	834	48	804.7	9.3	0.9	Single Age
IOS1733_90	103.5	1.32	1.74500	0.05200	0.16360	0.00180	0.38617	1023.0	19.0	976.0	10.0	1125	51	976.0	10.0	4.6	Single Age
IOS1733_91	48	1.43	2.57000	0.11000	0.10250	0.00180	0.07799	1278.0	30.0	629.0	10.0	2625	78	DISC	DISC	50.8	Single Age
IOS1733_92	211	3.73	0.81400	0.06000	0.08360	0.00230	0.58827	600.0	32.0	517.0	14.0	900	120	DISC	DISC	13.8	Single Age
IOS1733_93	401	3.36	1.37200	0.03500	0.12570	0.00190	0.82250	874.0	15.0	763.0	11.0	1161	32	DISC	DISC	12.7	Single Age
IOS1733_94	159.6	0.97	1.57700	0.02300	0.15990	0.00140	0.31034	959.8	9.0	956.0	8.0	958	29	956.0	8.0	0.4	Single Age
IOS1733_95	234.5	1.01	0.76000	0.01300	0.08807	0.00083	0.07839	574.2	7.8	544.1	4.9	681	42	544.1	4.9	5.2	Single Age

Table A3, con't.

IOS1733_96	571	2.41	0.86500	0.01300	0.10180	0.00140	0.61265	633.2	6.8	624.6	8.4	643	27	624.6	8.4	1.4	Single Age
IOS1733_97	204	2.30	0.66400	0.02500	0.08020	0.00210	0.77768	513.0	15.0	497.0	13.0	554	48	497.0	13.0	3.1	Single Age
IOS1733_98	577	1.00	1.09900	0.01100	0.12210	0.00098	0.44100	752.2	5.1	742.6	5.6	760	20	742.6	5.6	1.3	Single Age
IOS1733_99	218.2	1.60	0.94500	0.02200	0.09960	0.00120	0.46765	673.0	12.0	612.0	7.0	847	46	612.0	7.0	9.1	Single Age
IOS1733_100	1308	11.00	0.94700	0.01300	0.10540	0.00110	0.22523	675.9	6.9	645.8	6.7	752	28	645.8	6.7	4.5	Single Age
IOS1733_101	471	1.11	0.81000	0.01200	0.09310	0.00120	0.42710	602.0	7.0	573.5	6.9	690	33	573.5	6.9	4.7	Single Age
IOS1733_102	160.7	2.51	1.22900	0.02400	0.13110	0.00170	0.45923	812.0	11.0	793.8	9.6	840	37	793.8	9.6	2.2	Single Age
IOS1733_103	609	2.31	1.07500	0.01100	0.11714	0.00091	0.41057	740.6	5.2	714.0	5.3	801	21	714.0	5.3	3.6	Single Age
IOS1733_104	259.8	2.83	1.33300	0.02600	0.13510	0.00250	0.45924	860.0	11.0	817.0	14.0	957	40	817.0	14.0	5.0	Single Age
IOS1733_106	708	3.98	0.87500	0.01200	0.10370	0.00110	0.63904	637.8	6.4	635.8	6.4	649	24	635.8	6.4	0.3	Single Age
IOS1733_107	602	3.76	0.81200	0.01000	0.09739	0.00081	0.29783	603.0	5.9	599.0	4.7	628	30	599.0	4.7	0.7	Single Age
IOS1733_108	175.9	0.87	0.94900	0.01600	0.10370	0.00120	0.27682	676.5	8.4	635.8	7.2	833	37	635.8	7.2	6.0	Single Age
IOS1733_109	543.9	4.96	1.09600	0.03000	0.12190	0.00230	0.88876	748.0	15.0	741.0	13.0	797	30	741.0	13.0	0.9	Single Age
IOS1733_110	143.4	1.24	1.00400	0.02400	0.12020	0.00200	0.52694	703.0	12.0	732.0	12.0	658	45	732.0	12.0	4.1	Single Age
IOS1733_111	319	2.10	1.01500	0.02300	0.11350	0.00200	0.40415	709.0	12.0	693.0	11.0	820	46	693.0	11.0	2.3	Single Age
IOS1733_112	378	1.18	0.84900	0.01300	0.10640	0.00120	0.42575	623.2	7.2	651.8	7.1	607	32	651.8	7.1	4.6	Single Age
IOS1733_113	127.4	1.01	4.92100	0.09600	0.33190	0.00580	0.79047	1801.0	17.0	1845.0	28.0	1849	22	1849.0	22.0	0.2	Single Age
IOS1733_114	174	2.01	1.02000	0.01700	0.12240	0.00110	0.28478	712.7	8.6	744.4	6.4	745	35	744.4	6.4	4.4	Single Age
IOS1733_115	83	0.58	1.17400	0.03500	0.14110	0.00250	0.02418	786.0	16.0	852.0	14.0	758	77	852.0	14.0	8.4	Single Age
IOS1733_116	594	1.57	9.90500	0.06200	0.47840	0.00280	0.51684	2425.5	5.8	2520.0	12.0	2506	10	2506.0	10.0	0.6	Single Age
IOS1733_117	588	2.37	1.01300	0.01400	0.12700	0.00180	0.53985	709.4	7.1	770.0	11.0	760	30	770.0	11.0	8.5	Single Age
IOS1733_118	779	16.38	0.91400	0.01200	0.12230	0.00130	0.61028	658.6	6.2	743.8	7.4	667	23	DISC	DISC	12.9	Single Age
IOS1733_119	157	1.18	0.87700	0.01900	0.12090	0.00110	0.04130	639.0	10.0	735.5	6.3	637	50	DISC	DISC	15.1	Single Age
IOS1733_120	275	2.92	0.88300	0.01700	0.12340	0.00170	0.39717	641.0	9.3	750.0	10.0	664	40	DISC	DISC	17.0	Single Age
IOS1733_121	910	1.65	4.93400	0.06700	0.36640	0.00540	0.43828	1807.0	11.0	2012.0	25.0	1939	22	1939.0	22.0	3.8	Single Age

Table A3, con’t.

IOS1733_122	1220	81.10	0.81800	0.01400	0.12320	0.00170	0.68734	606.1	7.6	748.9	9.5	637	28	DISC	DISC	23.6	Single Age
IOS1733_123	505	1.81	1.10300	0.02000	0.16240	0.00300	0.78715	753.5	9.7	969.0	16.0	746	25	DISC	DISC	28.6	Single Age
IOS1733_124	707	1.53	1.02070	0.00990	0.15930	0.00120	0.17004	713.8	5.0	952.7	6.5	698	23	DISC	DISC	33.5	Single Age
IOS1733_125	184.8	0.84	4.94300	0.08600	0.43220	0.00720	0.67735	1806.0	15.0	2313.0	32.0	1902	24	1902.0	24.0	21.6	Single Age
IOS1733_126	460	1.47	1.54600	0.03000	0.23950	0.00460	0.58231	948.0	12.0	1384.0	24.0	903	36	DISC	DISC	46.0	Single Age
IOS1733_127	614	1.67	0.76000	0.01000	0.13830	0.00140	0.31523	573.7	5.7	834.7	8.1	659	31	DISC	DISC	45.5	Single Age
IOS1733_128	49.8	2.18	1.25100	0.06900	0.17860	0.00400	0.00980	815.0	31.0	1059.0	22.0	1210	120	DISC	DISC	29.9	Single Age
IOS1733_136	344	1.78	1.02100	0.05300	0.36900	0.00600	0.57882	705.0	26.0	2023.0	28.0	1174	92	DISC	DISC	187.0	Single Age

APPENDIX D

Table A4. Apatite U-Pb Analyses and Ages from Crystalline Rocks. Best Age is filtered for <10% discordance.

SAMPLE NAME: IOS1643																	
GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discordance**	**Rim/Core**
IOS1643AP_3	33.9	3.96	23.60000	0.84000	0.25250	0.00930	0.82348	1447.0	48.0	3243.0	35.0	28	9	DISC	DISC	124.1	Single Age
IOS1643AP_4	11.76	0.53	211.00000	13.00000	1.87000	0.12000	0.97009	6690.0	280.0	5380.0	67.0	19	1	DISC	DISC	19.6	Single Age
IOS1643AP_5	29.45	2.65	42.20000	2.10000	0.37700	0.01800	0.93874	2043.0	83.0	3792.0	46.0	21	3	DISC	DISC	85.6	Single Age
IOS1643AP_6	12.47	1.50	76.20000	3.80000	0.66500	0.03400	0.93432	3280.0	130.0	4394.0	50.0	17	2	DISC	DISC	34.0	Single Age
IOS1643AP_7	10.7	1.88	60.30000	4.90000	0.53100	0.04200	0.94267	2680.0	170.0	4093.0	79.0	18	3	DISC	DISC	52.7	Single Age
IOS1643AP_8	6.7	0.64	175.00000	13.00000	1.57000	0.12000	0.98357	5930.0	290.0	5208.0	77.0	19	2	DISC	DISC	12.2	Single Age
IOS1643AP_9	11.78	0.85	132.00000	10.00000	1.17200	0.09100	0.98568	4890.0	260.0	4903.0	77.0	18	1	18.4	77.0	0.3	Single Age
IOS1643AP_10	20.6	2.03	53.50000	2.40000	0.49300	0.02400	0.84991	2580.0	100.0	4050.0	46.0	17	2	DISC	DISC	57.0	Single Age
IOS1643AP_11	22.59	1.25	93.40000	6.20000	0.79700	0.04600	0.66506	3740.0	160.0	4576.0	63.0	17	1	DISC	DISC	22.4	Single Age
IOS1643AP_12	64.2	2.10	48.40000	2.70000	0.47700	0.02400	0.96267	2490.0	100.0	3924.0	59.0	21	1	DISC	DISC	57.6	Single Age
IOS1643AP_13	25.5	0.98	114.50000	5.50000	1.02300	0.05000	0.95404	4500.0	160.0	4797.0	49.0	19	1	19.3	49.0	6.6	Single Age
IOS1643AP_14	1.3	0.64	178.00000	17.00000	1.56000	0.15000	0.96799	5890.0	360.0	5198.0	94.0	19	2	DISC	DISC	11.7	Single Age
IOS1643AP_15	54	2.72	36.60000	0.97000	0.36800	0.01100	0.52542	2002.0	45.0	3673.0	25.0	21	2	DISC	DISC	83.5	Single Age
IOS1643AP_16	27.2	1.86	60.80000	2.50000	0.53700	0.02500	0.72168	2750.0	100.0	4169.0	43.0	19	2	DISC	DISC	51.6	Single Age
IOS1643AP_17	14.96	2.03	56.30000	4.00000	0.49300	0.03500	0.94250	2580.0	160.0	4051.0	74.0	21	4	DISC	DISC	57.0	Single Age
IOS1643AP_19	21.6	2.35	42.40000	7.70000	0.42500	0.07500	0.97425	2220.0	320.0	3750.0	180.0	25	7	DISC	DISC	68.9	Single Age
IOS1643AP_21	31.15	4.57	20.53000	0.66000	0.21900	0.00700	0.68773	1274.0	37.0	3103.0	30.0	26	5	DISC	DISC	143.6	Single Age

Table A4, con't.

SAMPLE NAME: IOS1654																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age Ma**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1654AP_1	83.4	6.13	14.50000	1.00000	0.16310	0.00730	0.98012	982.0	45.0	2751.0	57.0	27	3	DISC	DISC	180.1	Single Age
IOS1654AP_2	20.96	5.98	14.46000	0.46000	0.16720	0.00420	0.87370	995.0	23.0	2765.0	29.0	25	2	DISC	DISC	177.9	Single Age
IOS1654AP_3	75.9	5.19	19.88000	0.27000	0.19260	0.00240	0.71373	1135.0	13.0	3083.0	13.0	21	1	DISC	DISC	171.6	Single Age
IOS1654AP_4	52.8	5.72	16.49000	0.24000	0.17490	0.00300	0.60733	1038.0	16.0	2904.0	14.0	23	1	DISC	DISC	179.8	Single Age
IOS1654AP_5	40	2.91	36.63000	0.70000	0.34310	0.00640	0.74309	1899.0	30.0	3677.0	19.0	20	1	DISC	DISC	93.6	Single Age
IOS1654AP_6	16.97	5.50	15.83000	0.65000	0.18190	0.00580	0.86378	1075.0	32.0	2844.0	37.0	26	3	DISC	DISC	164.6	Single Age
IOS1654AP_8	70.8	6.68	12.40000	0.38000	0.14980	0.00380	0.79227	899.0	21.0	2626.0	31.0	26	3	DISC	DISC	192.1	Single Age
IOS1654AP_9	27.69	3.55	28.59000	0.43000	0.28140	0.00440	0.60393	1597.0	22.0	3438.0	15.0	23	2	DISC	DISC	115.3	Single Age
IOS1654AP_10	37	2.16	50.80000	1.20000	0.46400	0.01000	0.87768	2451.0	44.0	4001.0	24.0	21	1	DISC	DISC	63.2	Single Age
IOS1654AP_12	99.8	4.18	23.95000	0.90000	0.23920	0.00750	0.90188	1387.0	40.0	3254.0	35.0	23	1	DISC	DISC	134.6	Single Age
IOS1654AP_13	64.4	5.28	16.95000	0.41000	0.18940	0.00390	0.80523	1117.0	21.0	2925.0	23.0	25	2	DISC	DISC	161.9	Single Age
IOS1654AP_14	62.8	7.49	10.48000	0.37000	0.13350	0.00330	0.81280	807.0	19.0	2465.0	32.0	24	9	DISC	DISC	205.5	Single Age
IOS1654AP_16	35.9	2.97	35.24000	0.77000	0.33710	0.00650	0.65084	1871.0	32.0	3641.0	22.0	21	1	DISC	DISC	94.6	Single Age
IOS1654AP_17	60.7	2.37	45.40000	2.20000	0.42200	0.01800	0.97833	2252.0	78.0	3861.0	45.0	21	1	DISC	DISC	71.4	Single Age
IOS1654AP_18	49.01	4.78	19.97000	0.47000	0.20940	0.00400	0.35874	1224.0	21.0	3080.0	23.0	24	2	DISC	DISC	151.6	Single Age
IOS1654AP_19	52.58	1.40	82.30000	1.20000	0.71500	0.01000	0.83808	3472.0	37.0	4490.0	16.0	19	0	DISC	DISC	29.3	Single Age
IOS1654AP_20	20.8	4.01	24.29000	0.50000	0.24920	0.00650	0.63554	1433.0	34.0	3277.0	20.0	21	2	DISC	DISC	128.7	Single Age
IOS1654AP_21	33.9	4.52	21.44000	0.27000	0.22110	0.00330	0.48712	1287.0	17.0	3161.0	13.0	22	1	DISC	DISC	145.6	Single Age
IOS1654AP_23	40.05	7.47	11.11000	0.18000	0.13380	0.00220	0.56143	809.0	13.0	2529.0	15.0	25	2	DISC	DISC	212.6	Single Age
IOS1654AP_24	35.4	3.18	31.19000	0.75000	0.31460	0.00730	0.85447	1761.0	36.0	3517.0	24.0	22	1	DISC	DISC	99.7	Single Age

Table A4, con't.

IOS1654AP_25	101.5	4.74	21.60000	1.30000	0.21100	0.01100	0.94200	1227.0	60.0	3119.0	54.0	21	1	DISC	DISC	154.2	Single Age
IOS1654AP_26	28.1	3.66	26.06000	0.70000	0.27330	0.00600	0.76828	1556.0	30.0	3343.0	26.0	22	2	DISC	DISC	114.8	Single Age
IOS1654AP_27	23.04	0.94	122.50000	2.10000	1.06900	0.01900	0.77832	4681.0	58.0	4887.0	17.0	19	1	19.1	17.0	4.4	Single Age
IOS1654AP_28	38.86	6.05	14.37000	0.30000	0.16520	0.00320	0.71195	985.0	18.0	2769.0	20.0	25	2	DISC	DISC	181.1	Single Age
IOS1654AP_29	48.3	3.66	28.07000	0.65000	0.27290	0.00690	0.58704	1552.0	33.0	3413.0	21.0	22	1	DISC	DISC	119.9	Single Age
IOS1654AP_30	96.9	4.12	25.76000	0.28000	0.24260	0.00280	0.50095	1400.0	15.0	3338.0	11.0	19	1	DISC	DISC	138.4	Single Age
IOS1654AP_31	24.98	1.00	115.80000	6.30000	1.00300	0.05100	0.97290	4400.0	170.0	4766.0	63.0	19	1	19.0	63.0	8.3	Single Age
IOS1654AP_32	38.7	1.45	76.40000	1.40000	0.69200	0.01400	0.70451	3383.0	53.0	4411.0	19.0	19	1	DISC	DISC	30.4	Single Age
IOS1654AP_33	24.17	2.61	41.71000	0.90000	0.38380	0.00740	0.88645	2090.0	34.0	3804.0	21.0	20	1	DISC	DISC	82.0	Single Age
IOS1654AP_34	18.62	1.93	57.40000	1.60000	0.51700	0.01400	0.92580	2675.0	60.0	4119.0	29.0	20	1	DISC	DISC	54.0	Single Age
IOS1654AP_35	33.1	2.66	42.20000	2.00000	0.37600	0.01600	0.96257	2042.0	75.0	3789.0	48.0	20	1	DISC	DISC	85.6	Single Age
IOS1654AP_36	63.7	5.85	14.50000	1.30000	0.17100	0.01100	0.92471	1010.0	60.0	2714.0	87.0	26	2	DISC	DISC	168.7	Single Age
IOS1654AP_37	33	5.48	16.28000	0.55000	0.18240	0.00580	0.73157	1079.0	32.0	2885.0	33.0	30	6	DISC	DISC	167.4	Single Age
IOS1654AP_38	43.6	5.47	17.18000	0.31000	0.18270	0.00340	0.50238	1081.0	19.0	2942.0	17.0	23	2	DISC	DISC	172.2	Single Age
IOS1654AP_39	21.88	2.31	46.40000	2.00000	0.43200	0.01600	0.93189	2314.0	75.0	3891.0	44.0	19	1	DISC	DISC	68.2	Single Age
IOS1654AP_40	68.2	3.15	33.07000	0.93000	0.31720	0.00760	0.78389	1774.0	37.0	3574.0	28.0	20	1	DISC	DISC	101.5	Single Age
IOS1654AP_41	18.22	3.18	32.50000	1.10000	0.31400	0.00910	0.86547	1766.0	47.0	3555.0	33.0	21	2	DISC	DISC	101.3	Single Age
IOS1654AP_42	32.5	2.49	42.40000	1.90000	0.40200	0.01600	0.91989	2170.0	73.0	3812.0	45.0	19	1	DISC	DISC	75.7	Single Age
IOS1654AP_43	29.67	5.77	15.13000	0.30000	0.17320	0.00300	0.52379	1029.0	16.0	2818.0	19.0	25	2	DISC	DISC	173.9	Single Age
IOS1654AP_44	14.62	1.52	75.00000	2.60000	0.66000	0.02200	0.91190	3248.0	82.0	4381.0	34.0	19	1	DISC	DISC	34.9	Single Age

Table A4, con't.

SAMPLE NAME: IOS1651																	
GRAIN #	**[U] ppm**	**U/Th**	**207/ 235**	**2σ error**	**206/ 238**	**2σ error**	**RHO**	**207/ 235 Age (Ma)**	**2σ error**	**206/ 238 Age (Ma)**	**2σ error**	**207/ 206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/ Core**
IOS1651AP_1	90	1.51	77.60000	1.20000	0.66400	0.00990	0.86815	3279.0	38.0	4427.0	15.0	19	0	DISC	DISC	35.0	Single Age
IOS1651AP_2	59.95	1.66	67.19000	0.97000	0.60420	0.00940	0.66758	3052.0	40.0	4288.0	15.0	20	1	DISC	DISC	40.5	Single Age
IOS1651AP_3	32.47	1.81	65.40000	1.10000	0.55370	0.00890	0.92650	2839.0	37.0	4258.0	16.0	19	0	DISC	DISC	50.0	Single Age
IOS1651AP_4	64.9	1.16	98.90000	1.70000	0.86000	0.01400	0.88875	3993.0	47.0	4671.0	18.0	19	0	DISC	DISC	17.0	Single Age
IOS1651AP_5	83.6	6.55	12.49000	0.48000	0.15260	0.00460	0.86505	915.0	26.0	2632.0	34.0	29	3	DISC	DISC	187.7	Single Age
IOS1651AP_6	44.35	1.93	60.19000	0.38000	0.51750	0.00360	0.75301	2690.0	15.0	4176.7	6.3	19	0	DISC	DISC	55.3	Single Age
IOS1651AP_7	26.8	1.87	61.61000	0.64000	0.53430	0.00610	0.69358	2759.0	26.0	4200.0	10.0	19	0	DISC	DISC	52.2	Single Age
IOS1651AP_8	41.29	1.92	61.13000	0.65000	0.51980	0.00540	0.76154	2698.0	23.0	4192.0	11.0	19	0	DISC	DISC	55.4	Single Age
IOS1651AP_9	44.3	1.08	108.70000	4.70000	0.92500	0.04000	0.96501	4210.0	130.0	4762.0	45.0	19	0	DISC	DISC	13.1	Single Age
IOS1651AP_10	38.4	1.95	59.37000	0.67000	0.51300	0.00570	0.79815	2669.0	24.0	4163.0	11.0	19	0	DISC	DISC	56.0	Single Age
IOS1651AP_11	42.9	1.96	59.83000	0.88000	0.51060	0.00840	0.88997	2658.0	36.0	4170.0	15.0	19	0	DISC	DISC	56.9	Single Age
IOS1651AP_12	60.6	5.31	15.58000	0.36000	0.18840	0.00420	0.54425	1112.0	23.0	2847.0	22.0	33	6	DISC	DISC	156.0	Single Age
IOS1651AP_13	32.02	3.39	29.57000	0.84000	0.29520	0.00750	0.93019	1664.0	37.0	3463.0	27.0	22	1	DISC	DISC	108.1	Single Age
IOS1651AP_14	46.64	1.82	60.70000	2.00000	0.55000	0.01700	0.89192	2818.0	71.0	4174.0	34.0	20	1	DISC	DISC	48.1	Single Age
IOS1651AP_15	24.52	1.74	67.06000	0.87000	0.57430	0.00710	0.76532	2924.0	29.0	4284.0	13.0	19	0	DISC	DISC	46.5	Single Age
IOS1651AP_16	14.53	1.63	68.72000	0.62000	0.61180	0.00600	0.59594	3076.0	24.0	4308.3	9.0	20	0	DISC	DISC	40.1	Single Age
IOS1651AP_17	55.3	1.40	81.40000	1.50000	0.71600	0.01300	0.79405	3478.0	49.0	4478.0	18.0	19	1	DISC	DISC	28.8	Single Age
IOS1651AP_18	224	3.32	31.40000	2.50000	0.30100	0.01800	0.99198	1688.0	88.0	3466.0	72.0	22	1	DISC	DISC	105.3	Single Age
IOS1651AP_19	66.2	1.43	81.69000	0.81000	0.70000	0.00790	0.80699	3419.0	30.0	4482.0	10.0	19	0	DISC	DISC	31.1	Single Age
IOS1651AP_20	14.29	0.94	123.70000	2.80000	1.06100	0.02500	0.97195	4643.0	79.0	4890.0	23.0	19	0	18.6	23.0	5.3	Single Age
IOS1651AP_21	25.23	1.53	76.00000	1.00000	0.65400	0.01100	0.86626	3243.0	42.0	4412.0	14.0	19	0	DISC	DISC	36.0	Single Age

Table A4, con't.

IOS1651AP_22	131	1.74	67.20000	0.89000	0.57400	0.00820	0.94881	2921.0	34.0	4284.0	14.0	19	0	DISC	DISC	46.7	Single Age
IOS1651AP_23	35.3	2.10	55.81000	0.78000	0.47710	0.00760	0.74847	2513.0	33.0	4100.0	14.0	19	0	DISC	DISC	63.2	Single Age
IOS1651AP_24	53.06	2.43	47.46000	0.40000	0.41180	0.00390	0.84780	2223.0	18.0	3939.9	8.4	19	0	DISC	DISC	77.2	Single Age
IOS1651AP_25	46.89	2.24	51.82000	0.40000	0.44570	0.00390	0.90622	2375.0	17.0	4027.9	7.7	19	0	DISC	DISC	69.6	Single Age
IOS1651AP_26	17.27	1.02	114.00000	1.40000	0.98300	0.01300	0.85971	4407.0	43.0	4818.0	13.0	19	0	18.6	13.0	9.3	Single Age
IOS1651AP_27	28.51	2.18	53.12000	0.93000	0.45820	0.00880	0.95751	2429.0	39.0	4049.0	17.0	19	0	DISC	DISC	66.7	Single Age
IOS1651AP_28	310	1.78	65.43000	0.90000	0.56300	0.00880	0.92964	2875.0	36.0	4257.0	14.0	19	0	DISC	DISC	48.1	Single Age
IOS1651AP_29	29.3	1.99	57.93000	0.56000	0.50190	0.00520	0.80129	2621.0	23.0	4138.2	9.7	19	0	DISC	DISC	57.9	Single Age
IOS1651AP_30	40.02	1.72	68.43000	0.86000	0.58240	0.00920	0.80157	2956.0	37.0	4304.0	13.0	19	0	DISC	DISC	45.6	Single Age
IOS1651AP_31	24.9	1.80	64.50000	1.10000	0.55600	0.01000	0.90532	2848.0	43.0	4243.0	17.0	19	0	DISC	DISC	49.0	Single Age
IOS1651AP_32	41.14	2.34	50.42000	0.42000	0.42790	0.00440	0.57030	2296.0	20.0	4000.1	8.2	19	0	DISC	DISC	74.2	Single Age
IOS1651AP_33	32.34	2.07	56.93000	0.42000	0.48260	0.00520	0.70163	2538.0	22.0	4121.5	7.3	19	0	DISC	DISC	62.4	Single Age
IOS1651AP_34	29.81	2.09	56.05000	0.66000	0.47790	0.00570	0.58784	2517.0	25.0	4105.0	12.0	19	0	DISC	DISC	63.1	Single Age
IOS1651AP_35	16.3	1.14	101.80000	2.00000	0.88000	0.01700	0.95639	4064.0	59.0	4701.0	20.0	19	0	DISC	DISC	15.7	Single Age
IOS1651AP_36	31.92	2.24	51.47000	0.52000	0.44660	0.00490	0.61617	2379.0	22.0	4022.0	10.0	19	0	DISC	DISC	69.1	Single Age
IOS1651AP_37	21.16	1.21	92.40000	1.80000	0.82900	0.01600	0.91852	3884.0	56.0	4601.0	20.0	20	1	DISC	DISC	18.5	Single Age
IOS1651AP_38	36.39	2.52	45.77000	0.45000	0.39660	0.00440	0.83915	2153.0	20.0	3904.0	10.0	19	0	DISC	DISC	81.3	Single Age
IOS1651AP_39	35.4	2.43	47.77000	0.55000	0.41230	0.00480	0.79887	2225.0	22.0	3945.0	11.0	19	0	DISC	DISC	77.3	Single Age
IOS1651AP_40	22.15	1.93	60.70000	1.50000	0.51900	0.01200	0.97927	2691.0	51.0	4179.0	24.0	19	0	DISC	DISC	55.3	Single Age
IOS1651AP_41	49.69	2.28	50.69000	0.52000	0.43840	0.00560	0.78731	2343.0	25.0	4005.0	10.0	19	1	DISC	DISC	70.9	Single Age
IOS1651AP_42	46.5	2.33	46.45000	0.93000	0.42970	0.00920	0.84846	2299.0	41.0	3912.0	19.0	21	0	DISC	DISC	70.2	Single Age
IOS1651AP_43	25.2	1.22	96.10000	2.20000	0.81900	0.02000	0.94826	3851.0	74.0	4635.0	25.0	19	0	DISC	DISC	20.4	Single Age
IOS1651AP_44	21.62	1.90	61.76000	0.82000	0.52710	0.00650	0.82698	2728.0	27.0	4201.0	13.0	19	0	DISC	DISC	54.0	Single Age
IOS1651AP_45	12.9	1.01	117.30000	2.80000	0.99400	0.02600	0.86012	4446.0	85.0	4845.0	24.0	19	1	18.9	24.0	9.0	Single Age
IOS1651AP_46	35.07	2.33	49.95000	0.53000	0.42950	0.00490	0.76827	2303.0	22.0	3990.0	11.0	19	0	DISC	DISC	73.3	Single Age

Table A4, con't.

IOS1651AP_47	24.62	1.47	80.10000	1.70000	0.67800	0.01300	0.71409	3334.0	49.0	4461.0	21.0	19	0	DISC	DISC	33.8	Single Age
IOS1651AP_48	47.6	1.93	60.27000	0.65000	0.51840	0.00670	0.87347	2691.0	28.0	4179.0	11.0	19	0	DISC	DISC	55.3	Single Age
IOS1651AP_49	36.86	3.75	26.00000	1.20000	0.26700	0.01000	0.92240	1519.0	52.0	3323.0	49.0	22	2	DISC	DISC	118.8	Single Age
IOS1651AP_50	28.85	1.27	88.30000	1.40000	0.78900	0.01200	0.71551	3744.0	44.0	4558.0	15.0	19	1	DISC	DISC	21.7	Single Age
IOS1651AP_51	34.4	1.55	73.96000	0.74000	0.64470	0.00590	0.77613	3206.0	23.0	4382.0	10.0	19	0	DISC	DISC	36.7	Single Age
IOS1651AP_52	38.73	1.89	57.90000	1.50000	0.53000	0.01300	0.92150	2730.0	57.0	4126.0	27.0	20	1	DISC	DISC	51.1	Single Age
IOS1651AP_53	36.24	2.02	58.60000	1.40000	0.49600	0.01300	0.96855	2594.0	55.0	4146.0	24.0	19	0	DISC	DISC	59.8	Single Age
IOS1651AP_54	45.3	1.83	64.60000	1.50000	0.54600	0.01300	0.84350	2805.0	56.0	4245.0	22.0	19	1	DISC	DISC	51.3	Single Age
IOS1651AP_55	36.19	2.42	48.21000	0.45000	0.41340	0.00440	0.58809	2230.0	20.0	3955.0	9.3	19	0	DISC	DISC	77.4	Single Age
IOS1651AP_56	27.9	2.07	55.80000	2.10000	0.48300	0.01700	0.95857	2532.0	73.0	4092.0	35.0	19	0	DISC	DISC	61.6	Single Age
IOS1651AP_57	21.51	0.54	215.60000	3.10000	1.84700	0.02400	0.82257	6737.0	55.0	5457.0	14.0	18	0	DISC	DISC	19.0	Single Age
IOS1651AP_58	38.8	1.25	91.80000	2.70000	0.79700	0.02300	0.95847	3769.0	80.0	4593.0	29.0	19	0	DISC	DISC	21.9	Single Age
IOS1651AP_59	47.11	1.63	71.24000	0.61000	0.61230	0.00600	0.77245	3078.0	24.0	4345.1	8.5	19	0	DISC	DISC	41.2	Single Age
IOS1651AP_60	34.42	0.88	128.20000	3.00000	1.13600	0.03000	0.74356	4890.0	91.0	4935.0	24.0	20	2	19.6	24.0	0.9	Single Age
IOS1651AP_61	28.3	1.80	63.00000	1.50000	0.55700	0.01100	0.81546	2851.0	44.0	4220.0	24.0	19	1	DISC	DISC	48.0	Single Age
IOS1651AP_62	37.4	2.04	57.67000	0.72000	0.48990	0.00550	0.74404	2569.0	24.0	4132.0	13.0	19	0	DISC	DISC	60.8	Single Age
IOS1651AP_63	76.5	3.72	27.37000	0.65000	0.26890	0.00490	0.88301	1534.0	25.0	3392.0	22.0	21	1	DISC	DISC	121.1	Single Age
IOS1651AP_64	25.76	2.22	52.81000	0.85000	0.45140	0.00820	0.89689	2400.0	36.0	4044.0	16.0	19	0	DISC	DISC	68.5	Single Age
IOS1651AP_65	52.43	1.66	70.11000	0.62000	0.60400	0.00620	0.66425	3045.0	25.0	4329.1	8.8	19	0	DISC	DISC	42.2	Single Age
IOS1651AP_66	34.24	1.87	58.80000	1.40000	0.53400	0.01200	0.91759	2755.0	51.0	4147.0	25.0	19	0	DISC	DISC	50.5	Single Age
IOS1651AP_67	44	2.39	48.75000	0.49000	0.41900	0.00420	0.81419	2256.0	19.0	3966.3	9.8	19	0	DISC	DISC	75.8	Single Age
IOS1651AP_68	40.75	1.26	90.80000	1.00000	0.79450	0.00930	0.90495	3767.0	33.0	4588.0	11.0	19	0	DISC	DISC	21.8	Single Age
IOS1651AP_69	18.8	1.87	61.30000	1.50000	0.53500	0.01200	0.92995	2772.0	57.0	4193.0	24.0	18	0	DISC	DISC	51.3	Single Age
IOS1651AP_70	26.8	1.87	62.90000	2.10000	0.53600	0.01800	0.97967	2774.0	78.0	4212.0	32.0	19	0	DISC	DISC	51.8	Single Age

Table A4, con't.

SAMPLE NAME: IOS1647																	
GRAIN #	**[U] ppm**	**U/Th**	**207/235**	**2σ error**	**206/238**	**2σ error**	**RHO**	**207/235 Age (Ma)**	**2σ error**	**206/238 Age (Ma)**	**2σ error**	**207/206 Age (Ma)**	**2σ error**	**Best Age (Ma)**	**2σ error**	**% Discor-dance**	**Rim/Core**
IOS1647AP_1	0.256	0.08	1456.00000	77.00000	13.08000	0.67000	0.98227	16830.0	290.0	7355.0	50.0	22	3	DISC	DISC	56.3	Single Age
IOS1647AP_2	1.71	0.16	695.00000	26.00000	6.23000	0.24000	0.92360	12660.0	220.0	6633.0	39.0	20	1	DISC	DISC	47.6	Single Age
IOS1647AP_3	1.54	0.07	1730.00000	150.00000	15.10000	1.20000	0.99034	17990.0	560.0	7553.0	93.0	21	2	DISC	DISC	58.0	Single Age
IOS1647AP_5	0.755	0.06	1990.00000	160.00000	17.80000	1.40000	0.98153	18670.0	460.0	7666.0	77.0	22	4	DISC	DISC	58.9	Single Age
IOS1647AP_6	0.79	0.10	1063.00000	44.00000	9.54000	0.39000	0.96070	15030.0	230.0	7047.0	41.0	20	1	DISC	DISC	53.1	Single Age
IOS1647AP_7	12.85	2.82	37.53000	0.98000	0.35500	0.01000	0.59904	1955.0	48.0	3701.0	26.0	19	6	DISC	DISC	89.3	Single Age
IOS1647AP_8	0.097	0.10	1111.00000	44.00000	9.87000	0.40000	0.95898	15230.0	230.0	7094.0	39.0	21	2	DISC	DISC	53.4	Single Age
IOS1647AP_10	0.56	0.07	1490.00000	89.00000	13.39000	0.78000	0.97906	16910.0	330.0	7367.0	56.0	22	2	DISC	DISC	56.4	Single Age
IOS1647AP_11	3.77	0.07	1581.00000	96.00000	14.05000	0.84000	0.97755	17390.0	370.0	7461.0	63.0	22	2	DISC	DISC	57.1	Single Age
IOS1647AP_13	85.3	5.73	18.68000	0.41000	0.17460	0.00400	0.66643	1036.0	22.0	3020.0	21.0	22	2	DISC	DISC	191.5	Single Age
IOS1647AP_14	0.94	0.34	327.00000	22.00000	2.93000	0.20000	0.90563	8740.0	330.0	5858.0	68.0	22	3	DISC	DISC	33.0	Single Age
IOS1647AP_15	2.7	0.06	2020.00000	160.00000	17.90000	1.50000	0.97791	18510.0	450.0	7657.0	73.0	21	3	DISC	DISC	58.6	Single Age
IOS1647AP_17	6.73	0.13	818.00000	33.00000	7.43000	0.30000	0.95260	13600.0	230.0	6788.0	41.0	21	2	DISC	DISC	50.1	Single Age
IOS1647AP_18	0.186	0.07	1550.00000	150.00000	13.90000	1.50000	0.97783	17120.0	610.0	7430.0	100.0	24	4	DISC	DISC	56.6	Single Age
IOS1647AP_19	0.183	0.15	763.00000	29.00000	6.87000	0.27000	0.96460	13210.0	220.0	6717.0	38.0	19	1	DISC	DISC	49.2	Single Age
IOS1647AP_20	1.6	0.07	1540.00000	110.00000	13.70000	1.00000	0.98541	17170.0	460.0	7429.0	76.0	19	2	DISC	DISC	56.7	Single Age
IOS1647AP_21	0.915	0.05	2330.00000	290.00000	21.00000	2.70000	0.95224	19340.0	730.0	7770.0	120.0	19	2	DISC	DISC	59.8	Single Age
IOS1647AP_22	3.05	0.05	2390.00000	680.00000	22.20000	6.60000	0.99542	19400.0	1800.0	7760.0	290.0	21	7	DISC	DISC	60.0	Single Age
IOS1647AP_23	70.7	5.68	17.31000	0.48000	0.17600	0.00450	0.47268	1045.0	25.0	2949.0	27.0	24	5	DISC	DISC	182.2	Single Age
IOS1647AP_25	0.63	0.04	2480.00000	330.00000	22.30000	2.80000	0.97642	19910.0	740.0	7870.0	130.0	18	2	DISC	DISC	60.5	Single Age
IOS1647AP_26	0.055	0.06	1960.00000	220.00000	17.70000	2.10000	0.98474	18770.0	710.0	7680.0	110.0	22	5	DISC	DISC	59.1	Single Age

Table A4, con't.

IOS1647AP_27	0.443	0.07	1760.00000	170.00000	15.30000	1.40000	0.97458	17530.0	520.0	7493.0	91.0	29	6	DISC	DISC	57.3	Single Age
IOS1647AP_28	1.93	0.12	940.00000	34.00000	8.33000	0.30000	0.95145	14290.0	200.0	6930.0	36.0	22	2	DISC	DISC	51.5	Single Age
IOS1647AP_29	0.94	0.07	1560.00000	120.00000	13.80000	1.10000	0.97414	17190.0	510.0	7436.0	82.0	22	3	DISC	DISC	56.7	Single Age
IOS1647AP_31	1.04	0.16	710.00000	39.00000	6.33000	0.36000	0.97706	12620.0	310.0	6623.0	57.0	22	2	DISC	DISC	47.5	Single Age
IOS1647AP_32	0.78	0.10	1136.00000	57.00000	10.16000	0.51000	0.96937	15480.0	300.0	7127.0	53.0	24	2	DISC	DISC	54.0	Single Age
IOS1647AP_33	0.766	0.05	2340.00000	690.00000	20.30000	4.10000	0.96157	19600.0	1200.0	7840.0	290.0	88	94	DISC	DISC	60.0	Single Age
IOS1647AP_34	0.209	0.11	1067.00000	43.00000	9.47000	0.36000	0.94295	15050.0	220.0	7057.0	38.0	19	1	DISC	DISC	53.1	Single Age
IOS1647AP_35	1.01	0.06	1790.00000	180.00000	15.90000	1.50000	0.97192	17820.0	520.0	7518.0	87.0	20	2	DISC	DISC	57.8	Single Age
IOS1647AP_36	1.43	0.03	3860.00000	530.00000	34.70000	5.00000	0.95747	22640.0	940.0	8320.0	140.0	21	3	DISC	DISC	63.3	Single Age
IOS1647AP_37	0.691	0.09	1214.00000	45.00000	10.89000	0.42000	0.95148	15850.0	230.0	7193.0	37.0	20	1	DISC	DISC	54.6	Single Age
IOS1647AP_38	1.42	0.05	2270.00000	260.00000	20.20000	2.30000	0.98111	19150.0	680.0	7740.0	120.0	20	2	DISC	DISC	59.6	Single Age
IOS1647AP_39	0.52	0.08	1560.00000	180.00000	13.30000	1.50000	0.98410	16730.0	610.0	7360.0	100.0	20	2	DISC	DISC	56.0	Single Age
IOS1647AP_40	9.22	0.10	1121.00000	65.00000	9.92000	0.56000	0.96860	15310.0	330.0	7110.0	58.0	19	1	DISC	DISC	53.6	Single Age
IOS1647AP_41	0.515	0.11	1033.00000	43.00000	9.28000	0.39000	0.95884	14980.0	230.0	7039.0	39.0	19	1	DISC	DISC	53.0	Single Age
IOS1647AP_42	0.459	0.05	2320.00000	170.00000	20.40000	1.50000	0.97283	19370.0	440.0	7786.0	71.0	26	6	DISC	DISC	59.8	Single Age
IOS1647AP_43	-0.024	0.04	3010.00000	260.00000	27.20000	2.30000	0.98423	21000.0	530.0	8043.0	87.0	21	2	DISC	DISC	61.7	Single Age
IOS1647AP_44	0.72	0.08	1334.00000	77.00000	11.79000	0.66000	0.96708	16290.0	320.0	7271.0	53.0	21	1	DISC	DISC	55.4	Single Age
IOS1647AP_45	10.96	0.07	1580.00000	180.00000	13.70000	1.50000	0.97817	16910.0	610.0	7380.0	110.0	20	2	DISC	DISC	56.4	Single Age
IOS1647AP_46	31.4	2.82	38.30000	1.10000	0.35400	0.01100	0.73584	1952.0	53.0	3733.0	31.0	21	3	DISC	DISC	91.2	Single Age
IOS1647AP_47	46.1	3.76	28.10000	0.49000	0.26590	0.00480	0.64937	1519.0	25.0	3419.0	17.0	21	2	DISC	DISC	125.1	Single Age
IOS1647AP_48	11.65	0.31	364.00000	16.00000	3.25000	0.14000	0.92983	9250.0	210.0	5971.0	42.0	22	3	DISC	DISC	35.4	Single Age
IOS1647AP_49	0.348	0.09	1178.00000	54.00000	10.67000	0.49000	0.96258	15730.0	260.0	7161.0	45.0	20	1	DISC	DISC	54.5	Single Age
IOS1647AP_50	0.751	0.07	1570.00000	160.00000	14.60000	1.70000	0.98486	17250.0	600.0	7430.0	100.0	20	2	DISC	DISC	56.9	Single Age
IOS1647AP_51	0.78	0.07	1680.00000	120.00000	15.10000	1.10000	0.97875	17470.0	410.0	7479.0	67.0	19	2	DISC	DISC	57.2	Single Age

Table A4, con't.

IOS1647AP_54	2.26	0.07	1636.00000	97.00000	14.69000	0.87000	0.98285	17420.0	320.0	7458.0	53.0	20	1	DISC	DISC	57.2	Single Age
IOS1647AP_55	0.78	0.19	596.00000	34.00000	5.28000	0.30000	0.92947	11870.0	330.0	6493.0	62.0	19	2	DISC	DISC	45.3	Single Age

APPENDIX E

Supplemental Figures

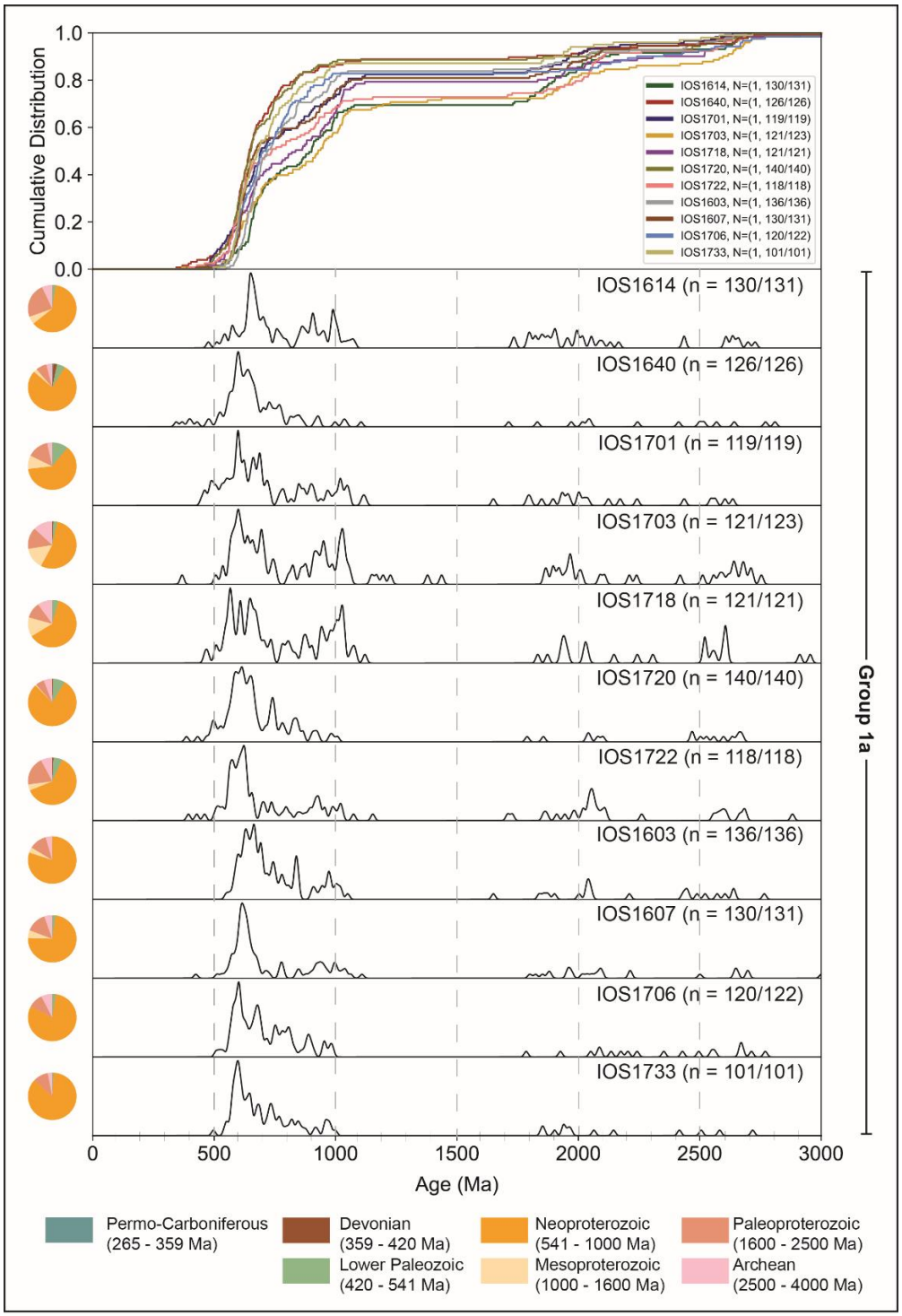

Figure 26. Individual KDE plots of pre-intrusive CB metasedimentary *Group 1a*.

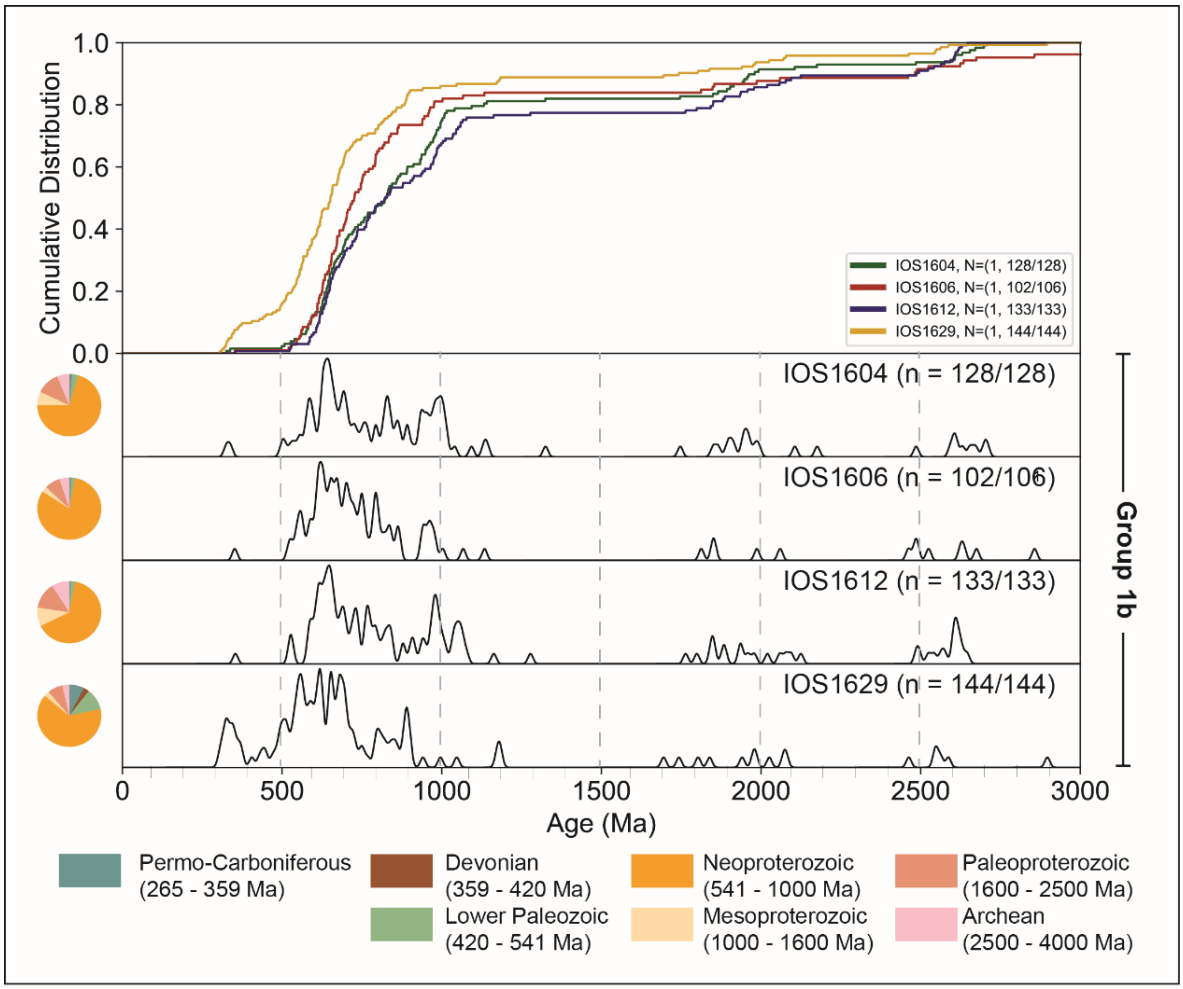

Figure 27. Individual KDE plots of pre-intrusive CB metasedimentary *Group 1b*.

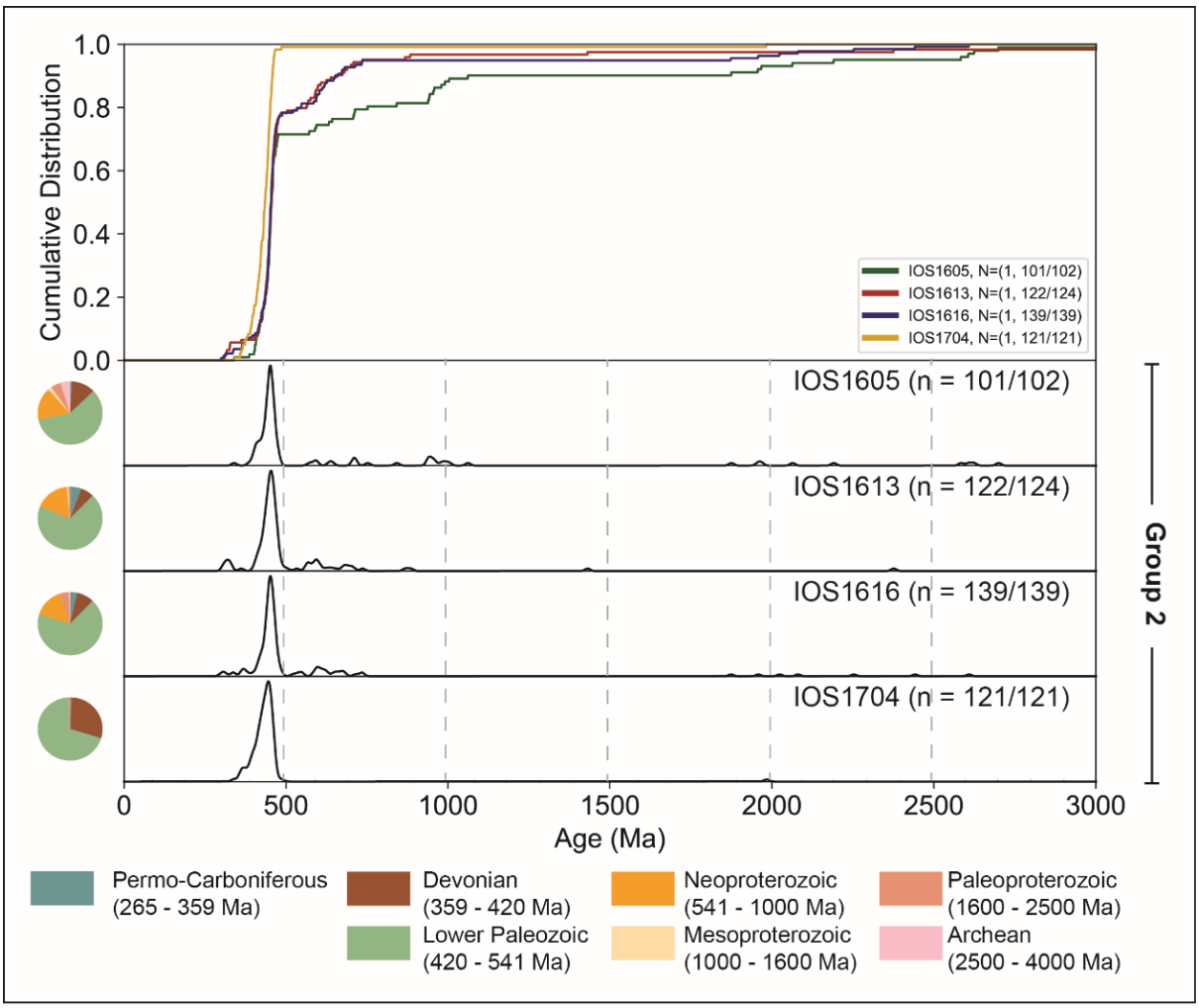

Figure 28. Individual KDE plots of pre- to syn-intrusive metasedimentary *Group 2*.

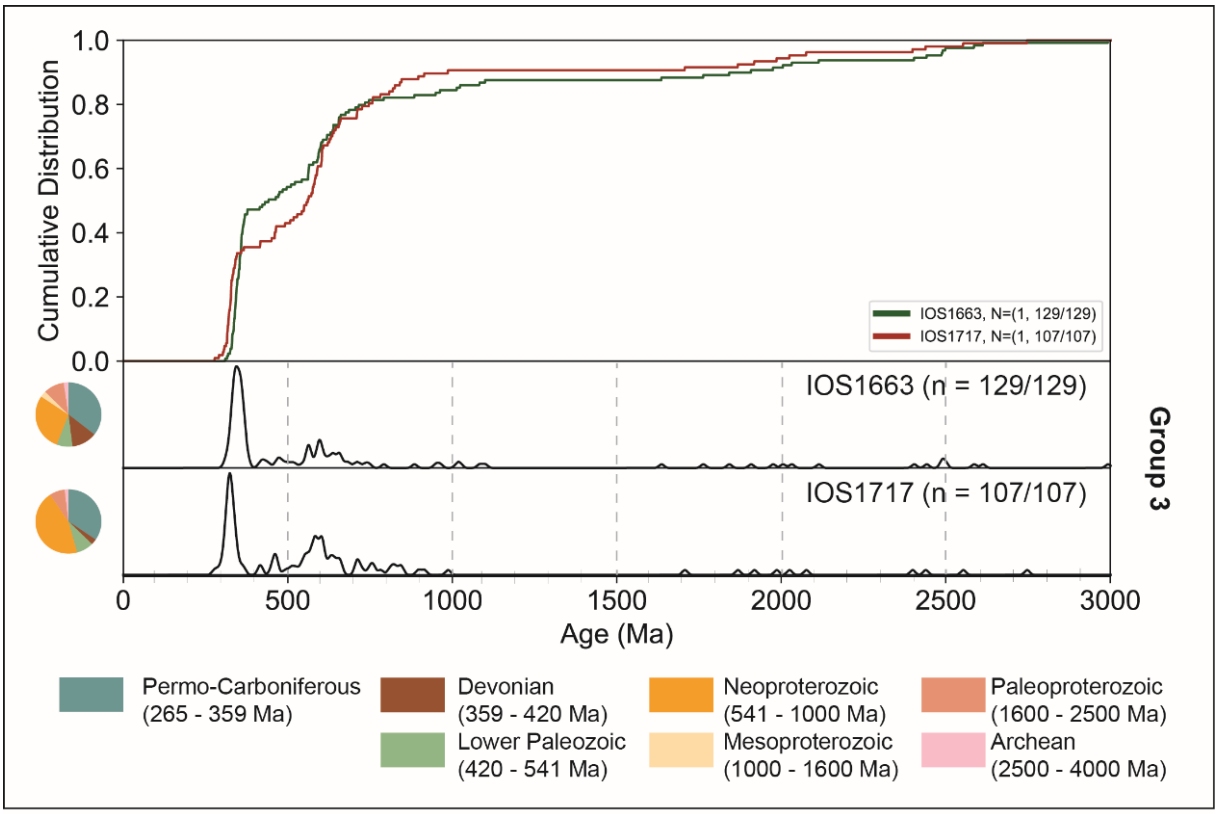

Figure 29. Individual KDE plots of pre-intrusive CB metasedimentary *Group 3*.

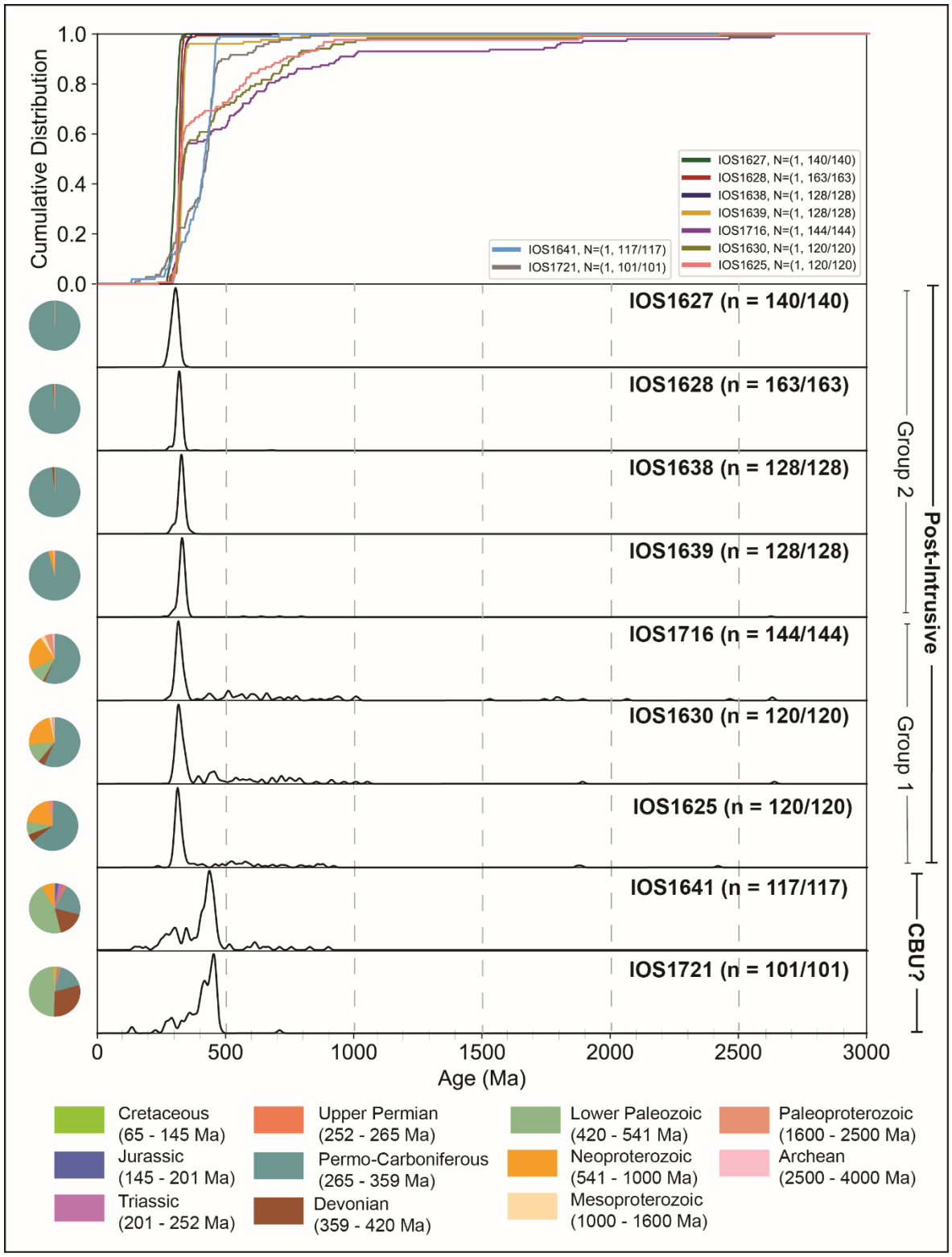

Figure 30. Individual KDE plots of *post-intrusive metasedimentary Groups 1 and 2* and *CBU*. The x-axis extends to 3000 Ma.

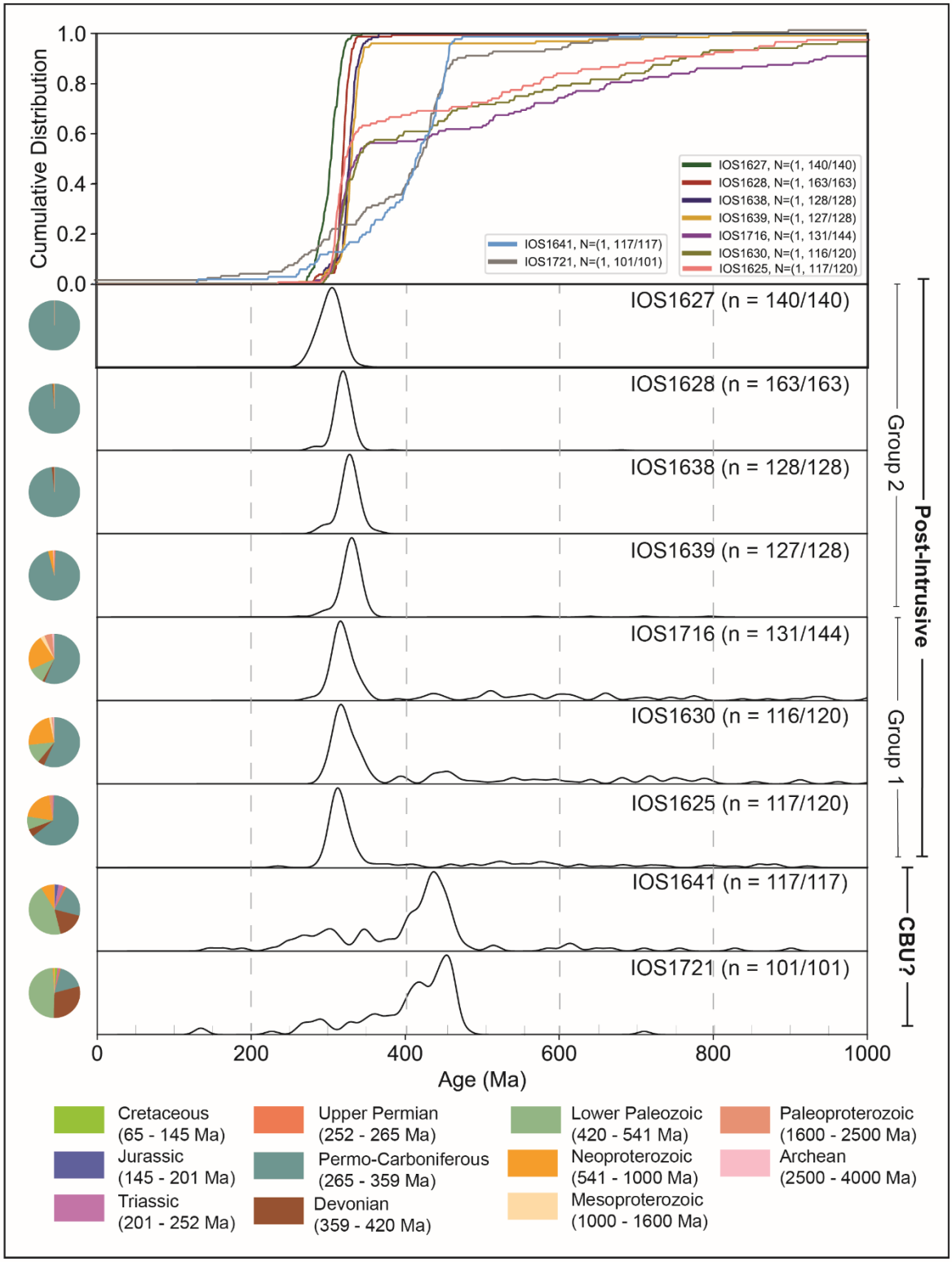

Figure 31. Individual KDE plots of *post-intrusive metasedimentary Groups 1 and 2* and *CBU*. The x-axis extends to 1000 Ma.

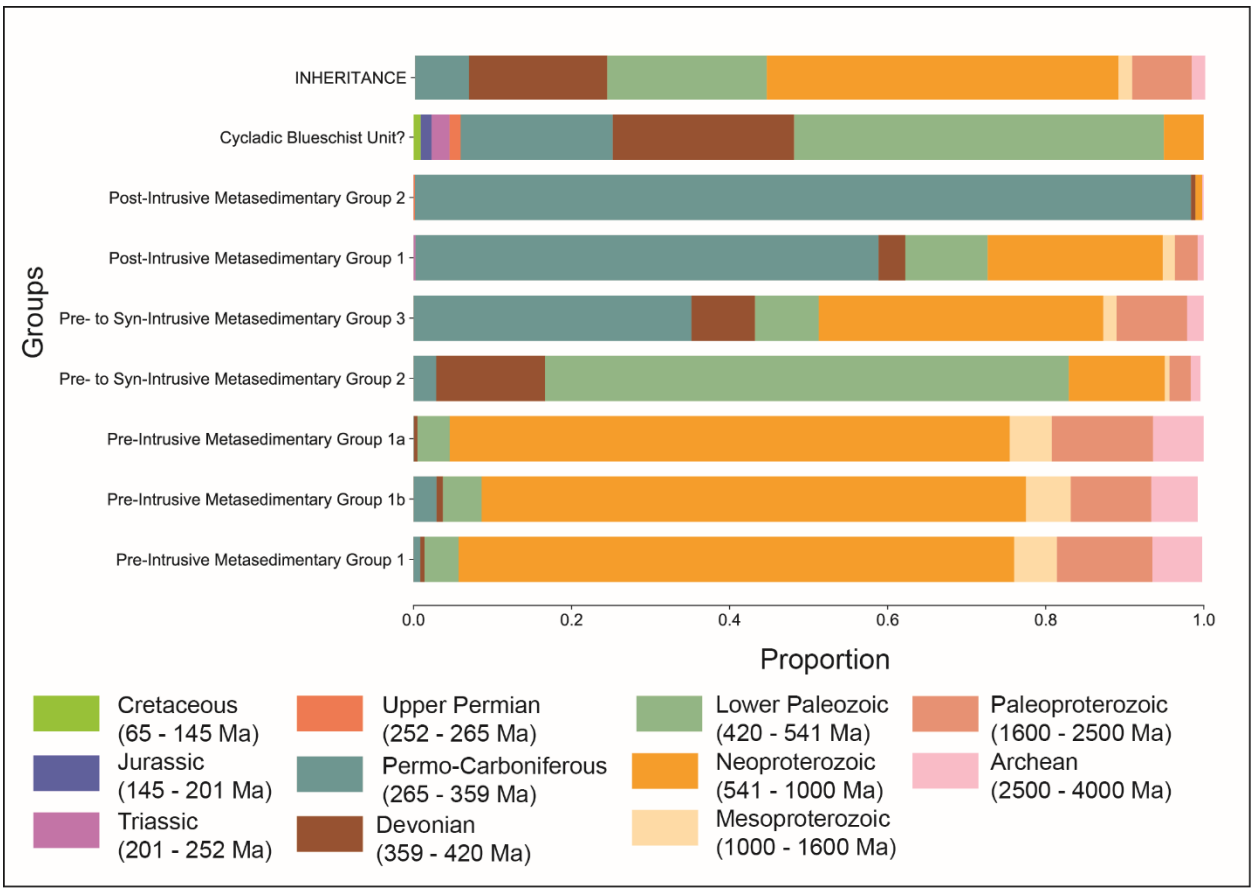

Figure 32. Proportion bar graphs of all metasedimentary groups and for inherited zircon cores from crystalline CB.

GLOSSARY

Our discussion of detrital (DZ) U-Pb results includes the following terms:

age distribution or age spectra: the entire spectrum of U-Pb ages from a sample or group

signature: specific groups of age modes, often associated with known tectonic events

age components or peaks: individual age modes.

This terminology is consistent with previous literature (e.g., Dickinson & Gehrels, 2009; Gehrels et al., 2008; Vermeesch, 2004).

REFERENCES

Andriessen, P. A. M., Boelrijk, N. A. I. M., Hebeda, E. H., Priem, H. N. A., Verdurnen, E. A. T., & Verschure, R. H. (1979). Dating the events of metamorphism and granitic magmatism in the Alpine orogen of Naxos (Cyclades, Greece). *Contributions to Mineralogy and Petrology, 69*(3), 215–225. https://doi.org/10.1007/BF00372323.

Andriessen, P. A. M., Banga, G., & Hebeda, E. H. (1987). Isotopic age study of pre-Alpine rocks in the basal units on Naxos, Sikinos, and Ios, Greek Cyclades. *Geologie En Mijnbouw*, *66*, 3–14.

Aubuin, J. (1959). Places des Hellénides parmi les edifices structuraux de la Méditeranée orientale. *Ann. Géol. Pays Hellén.*, *10*, 11–34.

Augier, R., Jolivet, L., Gadenne, L., Lahfid, A., & Driussi, O. (2015). Exhumation kinematics of the Cycladic Blueschists unit and back-arc extension, insight from the Southern Cyclades (Sikinos and Folegandros Islands, Greece). *Tectonics*, *34*(1), 152–185. https://doi.org/10.1002/2014TC003664

Baldwin, S. L., & Lister, G. S. (1998). Thermochronology of the South Cyclades Shear Zone, Ios, Greece: Effects of ductile shear in the argon partial retention zone. *Journal of Geophysical Research*, *103*(B4), 7315–7336.

Behr, W. M., Kotowski, A. J., & Ashley, K. T. (2018). Dehydration-induced rheological heterogeneity and the deep tremor source in warm subduction zones. *Geology*, 3–6. https://doi.org/10.1130/G40105.1

Bolhar, R., Ring, U., & Ireland, T. R. (2017). Zircon in amphibolites from Naxos, Aegean Sea, Greece: origin, significance and tectonic setting. *Journal of Metamorphic Geology*, *35*(4), 413–434. https://doi.org/10.1111/jmg.12238.

Brichau, S., Ring, U., Ketcham, R. A., Carter, A., Stockli, D., & Brunel, M. (2006). Constraining the long-term evolution of the slip rate for a major extensional fault system in the central Aegean, Greece, using thermochronology. *Earth Planet. Sci. Lett.*, *241*, 293–306.F.

Brichau, S., Ring, U., Carter, A., Monié, P., Bolhar, R., Stockli, D., & Brunel, M. (2007). Extensional faulting on Tinos island, Aegean sea, Greece: How many detachments?, *Tectonics*, *26*, TC4009, doi:10.1029/2006TC001969.

Bonneau, M. (1984). Correlation of the Hellenide nappes in the south-east Aegean and their tectonic reconstruction. *Geol. Soc. London Spec. Publ.*, *17*, 517–527.

Bortolotti, V., Carras, N., Chiari, M., Fazzuoli, M., Marcucci, M., Nirta, G., Principi, G., & Saccani, E. (2009). The ophiolite-bearing mélange in the early tertiary Pindos flysch of Etolia (central Greece), *Ofioliti*, *34*, 83–94.

Bröcker, M., & Pidgeon, R. T. (2007). Protolith Ages of Meta - igneous and Metatuffaceous Rocks from the Cycladic Blueschist Unit , Greece : Results of a Reconnaissance U - Pb Zircon Study. *The University of Chicago Press*, *115*(1), 83–98.

Brun, J.-P., Faccenna, C., Gueydan, F., Sokoutis, D., Philippon, M., Kydonakis, K., et al. (2016). The two-stage Aegean extension, from localized to distributed, a result of slab rollback acceleration 1. *Canadian Journal of Earth Sciences*, *53*(11), 1142–1157. https://doi.org/10.1139/cjes-2015-0203

Chatzaras, V., Dörr, W., Gerdes, A., Krahl, J., Xypolias, P., & Zulauf, G. (2016). Tracking the late Paleozoic to early Mesozoic margin of northern Gondwana in the Hellenides: paleotectonic constraints from U–Pb detrital zircon ages. *International Journal of Earth Sciences*, *105*(7), 1881–1899. https://doi.org/10.1007/s00531-016-1298-z.

Chew, D. M., Petrus, J. A., & Kamber, B. S. (2014). U-Pb LA-ICPMS dating using accessory mineral standards with variable common Pb. *Chemical Geology*, *363*, 185–199. https://doi.org/10.1016/j.chemgeo.2013.11.006.

Cooperdock, E. H. G., Raia, N. H., Barnes, J. D., Stockli, D. F., & Schwarzenbach, E. M. (2018). Tectonic origin of serpentinites on Syros, Greece: Geochemical signatures of abyssal origin preserved in a HP/LT subduction complex. *Lithos*, *296–299*, 352–364. https://doi.org/10.1016/j.lithos.2017.10.020

Dickinson, W. R., & Gehrels, G. E. (2009). Use of U-Pb ages of detrital zircons to infer maximum depositional ages of strata: A test against a Colorado Plateau Mesozoic database. *Earth and Planetary Science Letters*, *288*(1–2), 115–125. https://doi.org/10.1016/j.epsl.2009.09.013

Dürr, S., R. Altherr, J. Keller, M. Okrusch, & Seidel, E. (1978). The median Aegean crystalline belt: Stratigraphy, structure, metamorphism, magmatism. *Alps. Apennines. Hellenides*, *38*, 455–476.

Engel, M., & Reischmann, T. (1998). Single zircon geochronology of orthogneisses from Paros, Greece, Δελτίοντης Ελληνικής Γεωλογικής Εταιρίας, *32*, 91–99.

Forster, M., & Lister, G. (2008). Dating movement in shear zones: The example of the South Cyclades Shear Zone, Ios, Aegean Sea, Greece. *IOP Conference Series: Earth and Environmental Science*, *2*, 012004. https://doi.org/10.1088/1755-1307/2/1/012004

Forster, M. A., & Lister, G. S. (1999). Exhumation Processes: Normal Faulting, Ductile Flow and Erosion. In U. Ring, M. T. Brandon, G. S. Lister, & S. D. Willet (Eds.), *Geological Society, London, Special Publications* (Vol. 154, pp. 305–323). https://doi.org/10.1144/GSL.SP.1999.154.01.14

Gehrels, G. E., Valencia, V. A., & Ruiz, J. (2008). Enhanced precision, accuracy, efficiency, and spatial resolution of U-Pb ages by laser ablation-multicollector-inductively coupled plasma-

mass spectrometry. *Geochemistry, Geophysics, Geosystems*, *9*(3), 1–13. https://doi.org/10.1029/2007GC001805

Grasemann, B., Schneider, D. A., Stockli, D. F., & Iglseder, C. (2012). Miocene bivergent crustal extension in the Aegean: Evidence from the western Cyclades (Greece). *Lithosphere*, *4*(1), 23–39. https://doi.org/10.1130/L164.1

Gray, D.R., Foster, D.A., Meert, J.G., Goscombe, B.D., Armstrong, R., Trouw, R.A.J., Passchier, C.W. (2008). A Damaran orogen perspective on the assembly of south- western Gondwana. In: Pankhurst, R.J., Trouw, R.A.J., Brito Neves, B.B., De Wit, M.J. (Eds.), West Gondwana: Pre-Cenozoic correlations across the South Atlantic region: *Geological Society of London, Special Publication*, *294*, 257–278.

Gupta, S., & Bickle, M. J. (2004). Ductile shearing, hydrous fluid channelling and high-pressure metamorphism along the basement-cover contact on Sikinos, Cyclades, Greece. *Geological Society, London, Special Publications*, *224*(1), 161–175. https://doi.org/10.1144/GSL.SP.2004.224.01.11

Hart, N. R., Stockli, D. F., & Hayman, N. W. (2016). Provenance evolution during progressive rifting and hyperextension using bedrock and detrital zircon U-Pb geochronology, Mauléon Basin, western Pyrenees. *Geosphere*, *12*(4), 1166–1186. https://doi.org/10.1130/GES01273.1

Henjes-Kunst, F., & Kreuzer, H. (1982). Isotopic dating of pre-Alpidic rocks from the island of Ios (Cyclades, Greece). *Contributions to Mineralogy and Petrology*, *80*(3), 245–253. https://doi.org/10.1007/BF00371354

Himmerkus, F., Reischmann, T., & Kostopoulos, D. (2007). Gondwana-derived terranes in the northern Hellenides. *4-D Framework of Continental Crust*, *200*(19), 379–39. https://doi.org/10.1144/GSL.SP.2006.260.01.03

Himmerkus, F., Reischmann, T., & Kostopoulos, D. (2009). Triassic rift-related meta-granites in the Internal Hellenides, Greece. *Geological Magazine*, *146*(2), 252–265. https://doi.org/10.1017/S001675680800592X

Huet, B., Labrousse, L., & Jolivet, L. (2009). Thrust or detachment? exhumation processes in the aegean: Insight from a field study on ios (Cyclades, Greece). *Tectonics*, *28*(3), 1–27. https://doi.org/10.1029/2008TC002397

Jackson, S. E., Pearson, N. J., Griffin, W. L., & Belousova, E. A. (2004). The application of laser ablation-inductively coupled plasma-mass spectrometry to in situ U-Pb zircon geochronology. *Chemical Geology*, *211*(1–2), 47–69. https://doi.org/10.1016/j.chemgeo.2004.06.017

Jolivet, L., & Brun, J. P. (2010). Cenozoic geodynamic evolution of the Aegean. *International Journal of Earth Sciences*, *99*(1), 109–138. https://doi.org/10.1007/s00531-008-0366-4

Jolivet, L., Lecomte, E., Huet, B., Denèle, Y., Lacombe, O., Labrousse, L., et al. (2010). The North Cycladic Detachment System. *Earth and Planetary Science Letters*, *289*(1–2), 87–104. https://doi.org/10.1016/j.epsl.2009.10.032

Jolivet, L., Faccenna, C., Huet, B., Labrousse, L., Le Pourhiet, L., Lacombe, O., et al. (2013). Aegean tectonics: Strain localisation, slab tearing and trench retreat. *Tectonophysics*, *597–598*, 1–33. https://doi.org/10.1016/j.tecto.2012.06.011

Keay, S., & Lister, G. (2002). African provenance for the metasediments and metaigneous rocks of the Cyclades, Aegean Sea, Greece. *Geology*, *30*(3), 235–238. https://doi.org/10.1130/0091-7613(2002)

Ketcham, R. A., & Brichau, S. (2008). The unroofing history of Naxos and Paros: Constraints and questions from thermochronology and thermal modeling. *IOP Conference Series: Earth and Environmental Science*, *2*(July 2008), 012019. https://doi.org/10.1088/1755-1307/2/1/012019

Kydonakis, K., Kostopoulos, D., Poujol, M., Brun, J. P., Papanikolaou, D., & Paquette, J. L. (2014). The dispersal of the Gondwana Super-fan System in the eastern Mediterranean: New insights from detrital zircon geochronology. *Gondwana Research*, *25*(3), 1230–1241. https://doi.org/10.1016/j.gr.2013.05.009

Laurent, V., Huet, B., Labrousse, L., Jolivet, L., Monié, P., & Augier, R. (2017). Extraneous argon in high-pressure metamorphic rocks: Distribution, origin and transport in the Cycladic Blueschist Unit (Greece). *Lithos*, *272–273*, 315–335. https://doi.org/10.1016/j.lithos.2016.12.013

Lister, G. S., Banga, G., & Feenstra, A. (1984). Metamorphic core complexes of Cordilleran type in the Cyclades, Aegean Sea, Greece. *Geology*, *12*(4), 221–225. https://doi.org/10.1130/0091-7613(1984)

Ludwig, K. R. (1998). On the treatment of concordant uranium-lead ages. *Geochimica et Cosmochimica Acta*, *62*(4), 665–676. https://doi.org/10.1016/S0016-7037(98)00059-3

Ludwig, K.R., & Mundil, R. (2002). Extracting reliable U-Pb ages and errors from complex populations of zircons from Phanerozoic tuffs: *J. Conf. Abstr.* 12th Goldschmidt Conf. 2002.

van der Maar, P. A. (1981). Metamorphism and the geological history of the southern Cyclades, Greece, 153.

van der Maar, P. A., & Jansen, J. B. H. (1983). The geology of the polymetamorphic complex of Ios, Cyclades, Greece and its significance for the Cycladic Massif. *Geologische Rundschau*, *72*(1), 283–299. https://doi.org/10.1007/BF01765910

Marsh, J.H., & Stockli, D.F. (2015). Zircon U-Pb and trace element zoning characteristics in an anatectic granulite domain: Insights from LASS-ICP-MS depth profiling. *Lithos*, *239*, 170-185, doi:10.1016/j.lithos.2015.10.017

Martha, S. O., Dörr, W., Gerdes, A., Petschick, R., Schastok, J., Xypolias, P., & Zulauf, G. (2016). New structural and U–Pb zircon data from Anafi crystalline basement (Cyclades, Greece): constraints on the evolution of a Late Cretaceous magmatic arc in the Internal Hellenides. *International Journal of Earth Sciences*, *105*(7), 2031–2060. https://doi.org/10.1007/s00531-016-1346-8

Meinhold, G., Morton, A. C., & Avigad, D. (2013). New insights into peri-Gondwana paleogeography and the Gondwana super-fan system from detrital zircon U-Pb ages. *Gondwana Research*, *23*(2), 661–665. https://doi.org/10.1016/j.gr.2012.05.003

Menant, A., Jolivet, L., & Vrielynck, B. (2016). Kinematic reconstructions and magmatic evolution illuminating crustal and mantle dynamics of the eastern Mediterranean region since the late Cretaceous. *Tectonophysics*, *675*, 103–140. https://doi.org/10.1016/j.tecto.2016.03.007

Menant, A., Jolivet, L., Tuduri, J., Loiselet, C., Bertrand, G., & Guillou-Frottier, L. (2018). 3D subduction dynamics: A first-order parameter of the transition from copper- to gold-rich deposits in the eastern Mediterranean region. *Ore Geology Reviews*, *94*(January), 118–135. https://doi.org/10.1016/j.oregeorev.2018.01.023

Mizera, M., & Behrmann, J. H. (2016). Strain and flow in the metamorphic core complex of Ios Island (Cyclades, Greece). *International Journal of Earth Sciences*, *105*(7), 2097–2110. https://doi.org/10.1007/s00531-015-1259-y

Papanikolaou, D., 1987. Tectonic evolution of the Cycladic blueschist belt (Aegean Sea, Greece). In: Helgeson (Ed.), Chemical Transport in Metasomatic Processes, NATO ASI series. Reidel Publ. Co., 429–450.

Papanikolaou, D., Sassi, F.P. (1989). Paleozoic geodynamic domains and their Alpidic evolution in the Tethys: a brief outline of the IGCP no 276 proposal. *Geol. Soc. Greece*, Sp. Publ. 1, 7–10.

Papanikolaou, D., Ebner, F., 1997. Introduction to the terrane descriptions of the Alpine Tethyan belt. *Ann. Geol. Pays Hell*., 37, 195–197.

Papanikolaou, D. (2009). Timing of tectonic emplacement of the ophiolites and terrane paleogeography in the Hellenides. *Lithos*, *108*(1–4), 262–280. https://doi.org/10.1016/j.lithos.2008.08.003

Papanikolaou, D. (2013). Tectonostratigraphic models of the alpine terranes and subduction history of the Hellenides. *Tectonophysics*, *595-596*,1–24.

Perraki, M., & Mposkos, E. (2001). New constraints for the Alpine HP metamorphism of the Ios basement, Cyclades, Greece. *Bulletin of the Geological Society of Greece*, *25*(3), 977–984.

Petrus, J. A., & Kamber, B. S. (2012). VizualAge: A Novel Approach to Laser Ablation ICP-MS U-Pb Geochronology Data Reduction. *Geostandards and Geoanalytical Research*, *36*(3), 247–270. https://doi.org/10.1111/j.1751-908X.2012.00158.x

Piper, D. J. W. (2006). Sedimentology and tectonic setting of the Pindos Flysch of the Peloponnese , Greece Geological Survey of Canada (Atlantic), Bedford Institute of Oceanography , Stratigraphy. *Geological Society Special Publication*, *260*, 493–505.

Poulaki, E.M. (2018). *Zircon U-Pb chronostratigraphy and provenance of the Cyladic Basement and CBU on Sikinos and Ios Islands, Greece* (Master's thesis). Retrieved from [Texas Digital Library]. (www.tdl.org). Location: the University of Texas at Austin.

Rabillard, A., Arbaret, L., Jolivet, L., Le Breton, N., Gumiaux, C., Augier, R., & Grasemann, B. (2015). Interactions between plutonism and detachments during metamorphic core complex formation, Serifos Island (Cyclades, Greece). *Tectonics*, *34*(6), 1080–1106. https://doi.org/10.1002/2014TC003650

Rabillard, A., Jolivet, L., Arbaret, L., Bessière, E., Laurent, V., Menant, A., et al. (2018). Synextensional granitoids and detachment systems within Cycladic metamorphic core complexes (Aegean Sea, Greece): toward a regional tectono-magmatic model. *Tectonics*. https://doi.org/10.1029/2017TC004697

Reilinger, R., McClusky, S., Paradissis, D., Ergintav, S., & Vernant, P. (2010). Geodetic constraints on the tectonic evolution of the Aegean region and strain accumulation along the Hellenic subduction zone. *Tectonophysics*, *488*(1–4), 22–30. https://doi.org/10.1016/j.tecto.2009.05.027

Ring, U., Glodny, J., Will, T., & Thomson, S. (2010). The Hellenic Subduction System: High-Pressure Metamorphism, Exhumation, Normal Faulting, and Large-Scale Extension. *Annual Review of Earth and Planetary Sciences*, *38*(1), 45–76. https://doi.org/10.1146/annurev.earth.050708.170910

Schoene, B., & Bowring, S. A. (2006). U-Pb systematics of the McClure Mountain syenite: Thermochronological constraints on the age of the40Ar/39Ar standard MMhb. *Contributions to Mineralogy and Petrology*, *151*(5), 615–630. https://doi.org/10.1007/s00410-006-0077-4

Seman, S., Stockli, D. F., & Soukis, K. (2017). The provenance and internal structure of the Cycladic Blueschist Unit revealed by detrital zircon geochronology, Western Cyclades, Greece. *Tectonics*, *36*(7), 1407–1429. https://doi.org/10.1002/2016TC004378

Sharman, G. R., Sharman, J. P., & Sylvester, Z. (2018). detritalPy: A Python-based toolset for visualizing and analysing detrital geo-thermochronologic data. *The Depositional Record*,

(June). https://doi.org/10.1002/dep2.45

Sláma, J., Košler, J., Condon, D. J., Crowley, J. L., Gerdes, A., Hanchar, J. M., et al. (2008). Plešovice zircon - A new natural reference material for U-Pb and Hf isotopic microanalysis. *Chemical Geology*, *249*(1–2), 1–35. https://doi.org/10.1016/j.chemgeo.2007.11.005

Soukis, K., & Stockli, D. F. (2013). Structural and thermochronometric evidence for multi-stage exhumation of southern Syros, Cycladic islands, Greece. *Tectonophysics*, *595–596*, 148–164. https://doi.org/10.1016/j.tecto.2012.05.017

Stockli, D.F., & Stockli, L. (2013). Unlocking provenance secrets from single detrital zircons by U-Pb and trace-element depth-profile laser-ablation-split-stream analysis and (U-Th)/He double dating. *Geological Society of America Abstracts with Programs*, *45*(7), 744.

Stampfli, G. M., & Borel, G. D. (2002). A plate tectonic model for the Paleozoic and Mesozoic constrained by dynamic plate boundaries and restored synthetic oceanic isochrons. *Earth and Planetary Science Letters*, *196*(1–2), 17–33. https://doi.org/10.1016/S0012-821X(01)00588-X

Squire, R.J., Campbell, I.H., Allen, C.M., Wilson, C.J.L. (2006). Did the Transgondwanan Supermountain trigger the explosive radiation of animals on Earth? *Earth and Planetary Science Letters*, *250*, 116–133.

Thomson, S. N., Ring, U., Brichau, S., Glodny, J., & Will, T. M. (2009). Timing and nature of formation of the Ios metamorphic core complex, southern Cyclades, Greece. *Geological Society, London, Special Publications*, *321*(1), 139–167. https://doi.org/10.1144/SP321.7

Thomson, S. N., Gehrels, G. E., Ruiz, J., & Buchwaldt, R. (2012). Routine low-damage apatite U-Pb dating using laser ablation-multicollector- ICPMS. *Geochemistry, Geophysics, Geosystems*, *13*(1), 1–23. https://doi.org/10.1029/2011GC003928

Tremblay, A., Meshi, A., Deschamps, T., Goulet, F., & Goulet, N. (2015). The Vardar zone as a suture for the Mirdita ophiolites, Albania: Constraints from the structural analysis of the Korabi-Pelagonia zone, *Tectonics*, *34*, 352–375, doi:10.1002/2014TC003807.

Van Hinsbergen, D. J., & Schmid, S. M. (2012). Map view restoration of Aegean–west Anatolian accretion and extension since the Eocene, *Tectonics*, *31*, TC5005, doi:10.1029/2012TC003132.

Van Hinsbergen, D. J. J., Zachariasse, W., Wortel, M., & Meulenkamp, J. (2005a). Underthrusting and exhumation: A comparison between the external Hellenides and the “hot” Cycladic and “cold” south Aegean core complexes (Greece), *Tectonics*, *24*, TC2011, doi:10.1029/ 2004TC001692.

Van Hinsbergen, D. J. J., Hafkenscheid, E., Spakman, W., Meulenkamp, J., & Wortel, R. (2005b). Nappe stacking resulting from subduction of oceanic and continental lithosphere below Greece, *Geology*, *33*, 325–328.

Vandenberg, L. C., & Lister, G. S. (1996). Structural analysis of basement tectonites from the Aegean metamorphic core complex of Ios, Cyclades, Greece. *Journal of Structural Geology*, *18*(12), 1437–1454. https://doi.org/10.1016/S0191-8141(96)00068-5

Vermeesch, P. (2004). How many grains are needed for a provenance study? *Earth and Planetary Science Letters*, *224*(3–4), 441–451. https://doi.org/10.1016/j.epsl.2004.05.037

Wiedenbeck, M., Allé, P., Corfu, F., Griffin, W.L., Meier, M., Oberli, F., Von Quadt, A., Roddick, J.C., and Spiegel, W. (1995). Three natural zircon standards for U-Th-Pb, Lu-Hf, trace element, and REE analyses. *Geostandards and Geoanalytical Research*, *19*(1), 1-23. https://doi.org/10.1111/j.1751-908X.1995.tb00147.x

Zulauf, G., Dörr, W., Fisher-Spurlock, S. C., Gerdes, A., Chatzaras, V., & Xypolias, P. (2015). Closure of the Paleotethys in the External Hellenides: Constraints from U-Pb ages of magmatic and detrital zircons (Crete). *Gondwana Research*, *28*(2), 642–667. https://doi.org/10.1016/j.gr.2014.06.011

VITA

Megan Elysia Flansburg was born in Charlottesville, Virginia. She was dual-enrolled at William Monroe High School in Stanardsville, VA and the Blue Ridge Virtual Governor's School in central Virginia and graduated with a Virginia Governor's Seal Diploma in June 2011. While in high school, Megan received credits from Ashland University in Ashland, Ohio and from the University of Virginia in Charlottesville, VA. In August 2011, she started her undergraduate coursework at the College of William and Mary in Williamsburg, VA where she double-majored in Geology and Environmental Science & Policy. She earned High Honors on her Geology departmental thesis and *summa cum laude* collegiate honors when she graduated with her Bachelor of Science in May 2015. Megan worked as the Research Fellow in the William & Mary Geology Department for the 2015-2016 academic year. In August 2016, she entered the Graduate School at the University of Texas at Austin to pursue her Master of Science in the Jackson School of Geosciences as a Jackson School Early Recruitment Fellow. She will continue her graduate education at the Jackson School as she works toward a Doctor of Philosophy in Geological Sciences (expected graduation 2022).

Permanent Email Address: mflansburg93@gmail.com

This manuscript was typed by the author.